PROJECT	DESIGNATION
0500695	0500695
CONTRACT	
R-33886	

CITY OF FORT WAYNE, INDIANA

ROAD PLANS

MAPLECREST ROAD IMPROVEMENTS - PROJECT NO. 0500695

Project Description: Road Reconstruction on Maplecrest Road, from Lake Avenue to E. State Blvd., in Sections 3 & 4, T-30-N, R-13-E, and Sections 33 & 34, T-31-N, R-13-E, Adams and St. Joseph Township, Allen County, Indiana.

Gross Length: 0.96 MILES
Net Length: 0.84 MILES
Maximum Grade: 2.21%

TRAFFIC DATA	
A.A.D.T. (2013)	12,680 V.P.D.
A.A.D.T. (2033)	19,800 V.P.D.
D.H.V. (2033)	1,980 V.P.H.
DIRECTIONAL DISTRIBUTION	50%
TRUCKS	0.5% A.A.D.T.
	0.5% D.H.V.
DESIGN DATA	
DESIGN SPEED	35 M.P.H.
PROJECT DESIGN CRITERIA	RECONSTRUCTION (4R) NON-FREEWAY
FUNCTIONAL CLASSIFICATION	URBAN MINOR ARTERIAL
RURAL/URBAN	URBAN (INTERMEDIATE)
TERRAIN	LEVEL
ACCESS CONTROL	NONE

MAYOR

HONORABLE THOMAS C. HENRY

BOARD OF PUBLIC WORKS

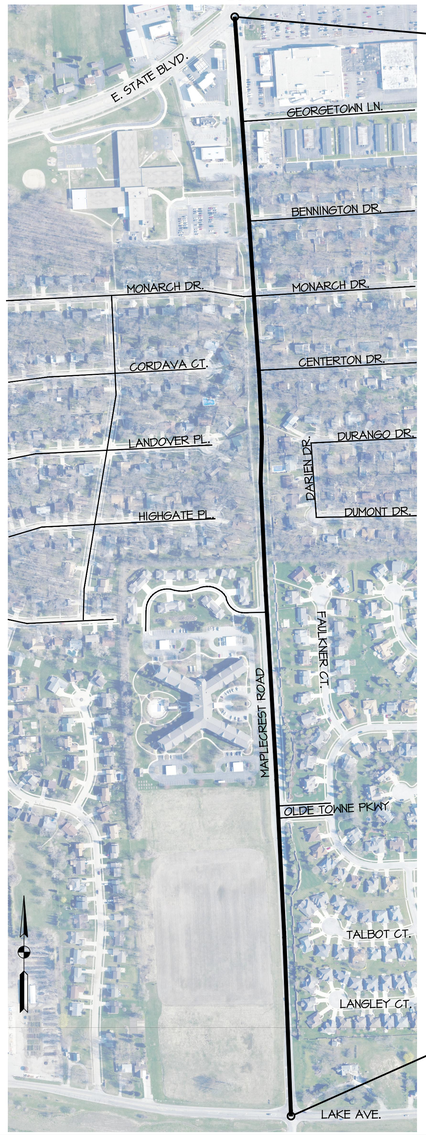
ROBERT P. KENNEDY, CHAIRMAN

KUMAR MENON, MEMBER

MIKE AVILA, MEMBER

ATTEST:

VICTORIA EDWARDS, CLERK



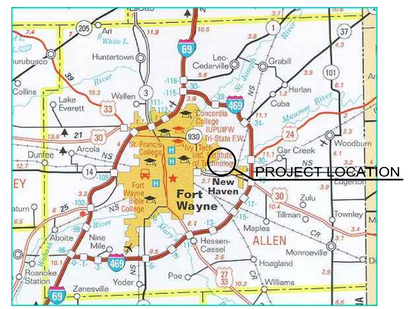
END PROJECT
STA. 54+64.4 LINE "PR-1"

BEGIN PROJECT
STA. 10+47.22 LINE "PR-1"

Scale: N.T.S.

LOCATION MAP
SEC. 3, 4; T 30 N, R 13 E
SEC. 33, 34, T 31 N, R 13 E
ADAMS TOWNSHIP, ST. JOSEPH TOWNSHIP
ALLEN COUNTY, INDIANA

H.U.C. #04100005010040
#04010005010010
LATITUDE: N 41° 05' 43"
LONGITUDE: W 85° 03' 35"



COUNTY LOCATION MAP
Scale: N.T.S.

INDIANA DEPARTMENT OF TRANSPORTATION
STANDARD SPECIFICATIONS DATED 2012
TO BE USED WITH THESE PLANS

PLANS DEVELOPED BY:

A&Z ENGINEERING LLC

BURGESS & NIPLE

LandPlan Group
Landscape Architects
Planners

CORNERSTONE CIVIL GROUP

A&Z ENGINEERING LLC
9017 Coldwater Road, Suite 500
Fort Wayne, IN 46825
260.485.7077
www.az-engineering.net

PLANS
PREPARED BY: A & Z Engineering, LLC (260) 485-7077
PHONE NUMBER

CERTIFIED BY: DATE

APPROVED
FOR LETTING: INDIANA DEPARTMENT OF TRANSPORTATION DATE

CITY OF FORT WAYNE
MAPLECREST ROAD IMPROVEMENTS

TITLE SHEET

HORIZONTAL SCALE	
N/A	
VERTICAL SCALE	
N/A	

DESIGNATION	SHEETS
0500695	1 of -
CONTRACT	PROJECT
R-33886	0500695

MAPLECREST ROAD IMPROVEMENTS - DES 0500695 - STAGE 3 PLANS

S:\2009 Projects\09-192 Fort Wayne - Maplecrest Road\CAD\09192-TS.dwg ---- 3/1/2013 4:48 PM ---- WesDowning

UTILITIES & CONTACTS

CABLE TELEVISION
COMCAST CABLEVISION OF FORT WAYNE
720 TAYLOR STREET
FORT WAYNE, IN 46802
(260) 410-3596 [DAVE HARRIS]

ELECTRIC (TRANSMISSION & DISTRIBUTION)
AMERICAN ELECTRIC POWER
P.O. BOX 60, FLOOR 24
FORT WAYNE, IN 46801-0060
(260) 408-1895 [MARK WALLS]

GAS
NORTHERN INDIANA PUBLIC SERVICE CO (NIPSCO)
1501 HALE AVENUE
FORT WAYNE, IN 46802
(260) 439-1221 [LISA OTIS]

TELEPHONE
FRONTIER COMMUNICATIONS
8001 W. JEFFERSON BLVD.
MAIL CODE: INFAOI
FORT WAYNE, IN 46804
(260) 461-3650 [JEAN-PAUL KALONJI]

TRAFFIC SIGNAL & INTERCONNECT
CITY OF FORT WAYNE TRAFFIC ENGINEERING
CITIZENS SQUARE
200 EAST BERRY STREET
SUITE 210
FORT WAYNE, IN 46802
(260) 427-1172 [SHAN GUNAWARDENA]

SANITARY SEWER /
STORM SEWER / WATER
CITY OF FORT WAYNE DEVELOPMENT SERVICES
CITIZENS SQUARE
200 EAST BERRY STREET
SUITE 140
FORT WAYNE, IN 46802
(260) 427-2680 [CRAIG BERNDT]

STREET LIGHTING
CITY OF FORT WAYNE STREET LIGHTING ENGINEERING
CITIZENS SQUARE
200 EAST BERRY STREET
SUITE 210
FORT WAYNE, IN 46802
(260) 427-1172 [HERB BERG]

Indiana 811
Know what's below. Call before you dig.
Within Indiana Call 811 or 800-382-5544

GENERAL NOTES

	All earth shoulders, median areas, and cut and fill slopes shall be plain or mulch seeded except where sodding or special nursery seeding is specified.
	The final cross sections of the grading contract will be the original cross sections of the paving contract. However, partial or complete cross sections shall be taken if necessary to determine the actual excavation quantities.
	The quantity of peat excavation shown on the plans has been estimated on the basis of theoretical cross sections by using treatment of existing fills, treatment by removal, or treatment by displacement, where each treatment applies.
	Cohesionless soil should not be used within 1 ft. of the required finished surfaces of fill/cut slopes. They should be enclosed with a less erodible material.
	All trees shall be removed as shown on the plans or as directed by the project engineer. Trees shall be cut at or below ground surface to avoid leaving a snagging hazard. Then the stump shall be treated with a herbicide to prevent sprouting. No item of tree removal will be included in the itemized proposal.
	The contractor must accept the plan quantities of subbase as given on the estimate of quantities sheet subject to the conditions as set out in 304.07 of the standard specifications.
	The contractor must accept the plan quantities of subbase as given on the estimate of quantities sheet subject to the conditions as set out in 304.07 of the standard specifications.
	All existing subsurface drain outlets shall be perpetuated. Undistributed pipe & delineator posts shall be provided.
	All exposed ground requiring mulched seeding on sloped greater than or equal to 3:1 shall receive erosion control blanket. All exposed swales or ditches which require seeding shall receive erosion control blanket.

** REPRESENTS GENERAL NOTES REQUIRED

INDEX

SHEET NO.	DESIGNATION		
1	TITLE SHEET		
2	INDEX AND GENERAL NOTES		
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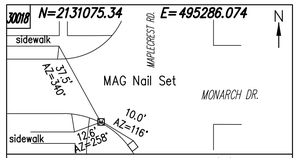
5	PLAT NO. 1		
6-12	MAINTENANCE OF TRAFFIC		
13-24	PLAN AND PROFILE SHEETS		
25-36	DRAINAGE & WATER MAIN PLAN & PROFILE SHEETS		
37-40	DRAINAGE, WATER MAIN, & MISC. CONSTRUCTION DETAILS		
41-45	INTERSECTION DETAILS		
46	TEMPORARY EROSION AND SEDIMENT CONTROL		
47-50	LANDSCAPING PLANS AND DETAILS		
51-52	SIGNALIZATION PLANS		
53-56	PAVEMENT MARKING AND SIGNAGE DETAILS		
57-62	LIGHTING PLANS		
63	MISCELLANEOUS TABLES		
64	APPROACH TABLE AND ESTIMATE OF QUANTITIES		
65-69	STRUCTURE DATA & PIPE MATERIALS TABLES		
70-82	CROSS SECTIONS		

REVISIONS

SHEET NO.	DATE	REVISED



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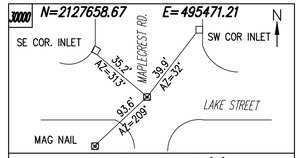
= STA. 13+82.78,, LINE 'S-4'
MAG Nail Set Flush



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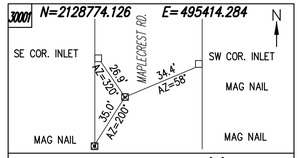

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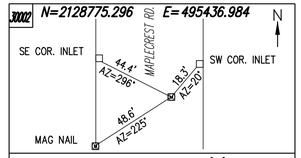

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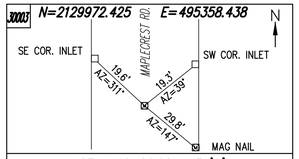

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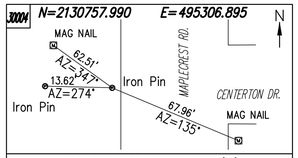

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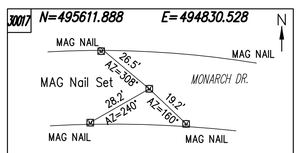
= STA. 10+00.00 LINE 'S-2'
IRON PIN SET



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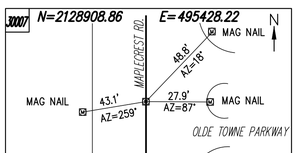

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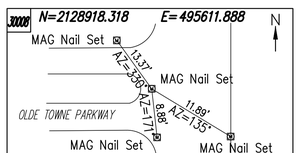
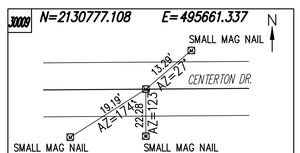
MAG Nail Set Flush



STA. 11+83.91 LINE 'S-1'
MAG Nail Set Flush



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MAG Nail Set Flush

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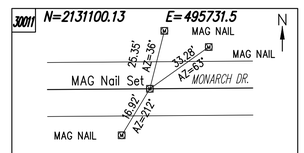
STA. 10+00.00,, LINE 'S-3'
MAG Nail Set Flush



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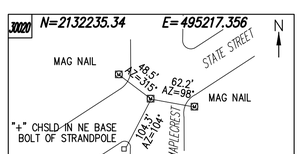

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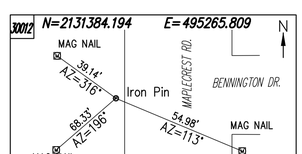

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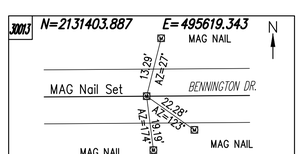
MAG Nail Set Flush



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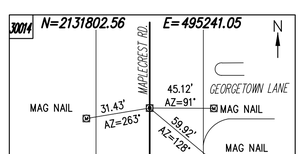
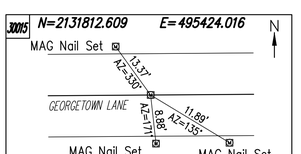
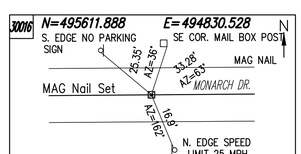


STA. 129+20.00 LINE 'M',
STA. 10+00.00 LINE 'S-6'
MAG Nail Set Flush



STA. 11+83.24 LINE 'S-6'
MAG Nail Set Flush



STA. 9+22.58 LINE 'S-4'
MAG Nail Set Flush

A&Z ENGINEERING LLC
9017 Coldwater Road, Suite 500
Fort Wayne, IN 46825
260.485.7077
www.az-engineering.net

PRELIMINARY USE ONLY
NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL
DESIGN ENGINEER — DATE

DESIGNED: JLS — DRAWN: JLS
CHECKED: AJO — CHECKED: AJO

CITY OF FORT WAYNE
MAPLECREST ROAD IMPROVEMENTS

INDEX AND GENERAL NOTES

HORIZONTAL SCALE	
N/A	
VERTICAL SCALE	
N/A	

DESIGNATION	SHEETS
0500695	2 of 82
CONTRACT	PROJECT NUMBER
R-33886	0500695

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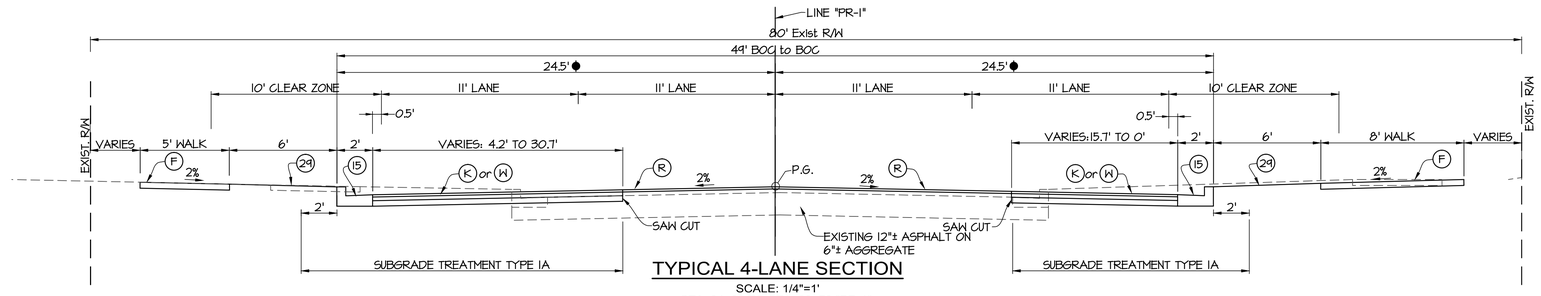
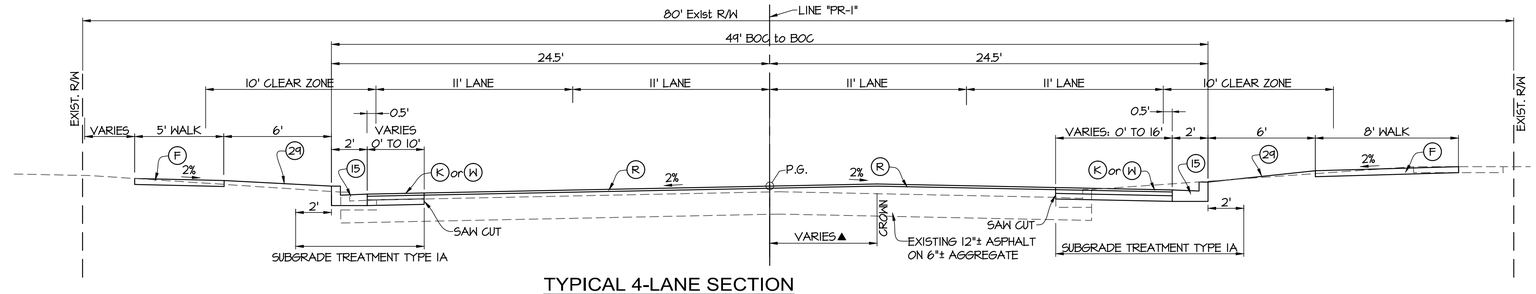


TYPICAL 4-LANE SECTION

SCALE: 1/4"=1'
STA. 34+00 TO STA. 38+70 "PR-1"

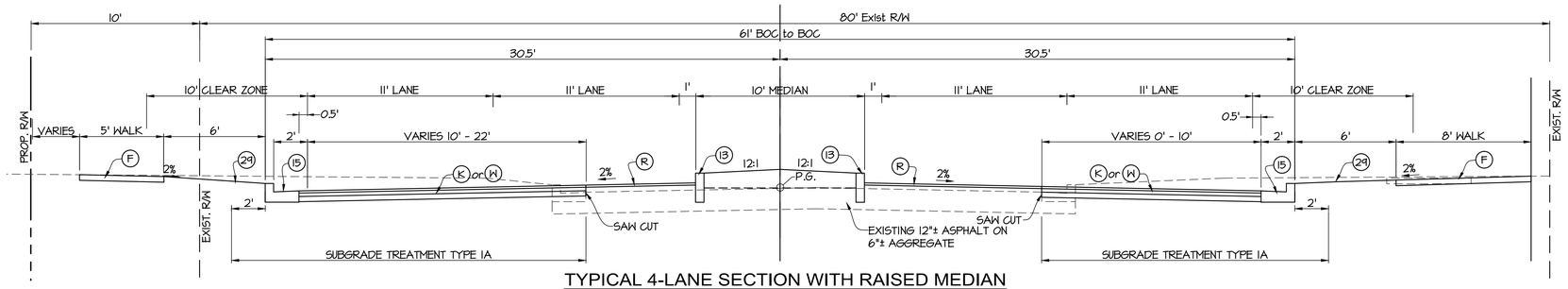
⬢ - VARIES FROM 24.5' AT STA. 38+70 "PR-1" TO 25.17' AT STA. 40+00 "PR-1"



TYPICAL 4-LANE SECTION

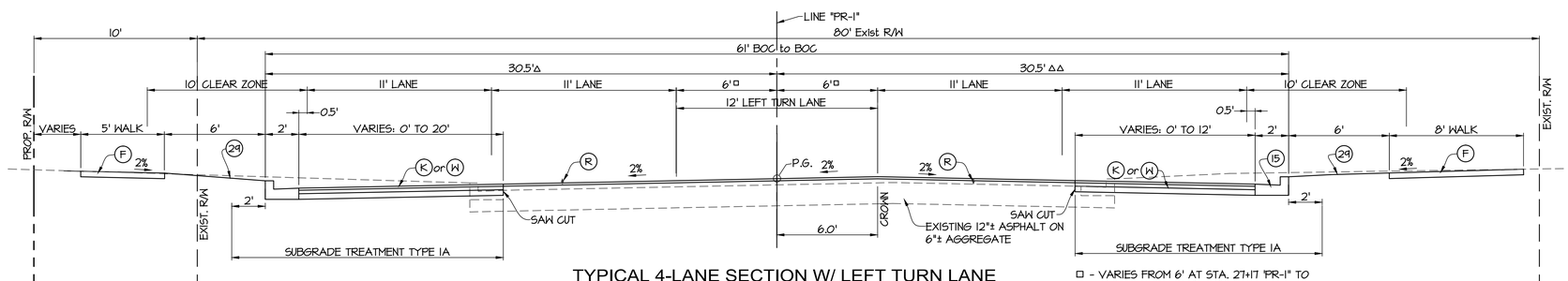
SCALE: 1/4"=1'
STA. 29+65 TO STA. 34+00 "PR-1"

▲ - P.G. TO CROWN OFFSET: STA. 29+65 TO 33+50 "PR-1" = 6'
VARIES FROM 6' AT STA. 33+50 TO 0' AT STA. 34+00 "PR-1"



TYPICAL 4-LANE SECTION WITH RAISED MEDIAN

SCALE: 1/4"=1'
STA. 12+82.2 TO STA. 22+74.8 "PR-1"



TYPICAL 4-LANE SECTION W/ LEFT TURN LANE

SCALE: 1/4"=1'
STA. 10+47.22 TO STA. 12+82.2 "PR-1"
STA. 22+74.8 TO STA. 29+65 "PR-1"

△ - VARIES FROM 29.0' AT STA. 27+16.81 "PR-1" TO 30.4' AT STA. 28+05 "PR-1"
VARIES FROM 28.4' AT STA. 28+05 "PR-1" TO 25.0' AT STA. 29+65 "PR-1"

△△ - VARIES FROM 29.0' AT STA. 27+16.81 "PR-1" TO 27.6' AT STA. 28+05 "PR-1"
VARIES FROM 27.6' AT STA. 28+08 "PR-1" TO 25.0' AT STA. 29+65 "PR-1"

□ - VARIES FROM 6' AT STA. 27+17 "PR-1" TO 0' AT STA. 29+65 "PR-1"

LEGEND

- (F) SIDEWALK, CONCRETE, 4"
- (K) HMA FOR MAINLINE
  165 #/SY HMA QC/QA, 4, 64, SURFACE 9.5 mm ON
  275 #/SY HMA QC/QA, 4, 64, INTERMED. 19.0 mm ON
  440 #/SY HMA QC/QA, 4, 64, BASE 25.0 mm ON
  SUBGRADE TREATMENT TYPE IA
- (R) HMA FOR RESURFACING
  165 #/SY HMA QC/QA, 4, 64, SURFACE 9.5 mm ON
  VARIABLE DEPTH HMA INTERMEDIATE, TYPE B
  (MIN. 110 #/SY, MAX. 330 #/SY) ON
  MILLING, SCARIFICATION/PROFILE
- (W) HMA FOR WIDENING
  165 #/SY HMA QC/QA, 4, 64, SURFACE 9.5 mm ON
  275 #/SY HMA QC/QA, 4, 64, INTERMED. 19.0 mm ON
  440 #/SY HMA QC/QA, 4, 64, BASE 25.0 mm ON
  SUBGRADE TREATMENT TYPE IA
- (13) CONCRETE CURB, 6"
- (15) CURB AND GUTTER, COMBINED, CONCRETE, MODIFIED
- (29) MULCHED SEEDING, TYPE U
- (K) WIDTHS 5' & WIDER
- (W) WIDTHS LESS THAN 5'

A&Z ENGINEERING LLC
9017 Coldwater Road, Suite 500
Fort Wayne, IN 46825
260.485.7077
www.az-engineering.net

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: PDR DRAWN: JLS
CHECKED: AJO CHECKED: AJO

CITY OF FORT WAYNE
MAPLECREST ROAD IMPROVEMENTS

TYPICAL CROSS SECTIONS

HORIZONTAL SCALE	
AS SHOWN	
VERTICAL SCALE	
N/A	
DESIGNATION	SHEETS
0500695	3 of 82
CONTRACT	PROJECT NUMBER
R-33886	0500695

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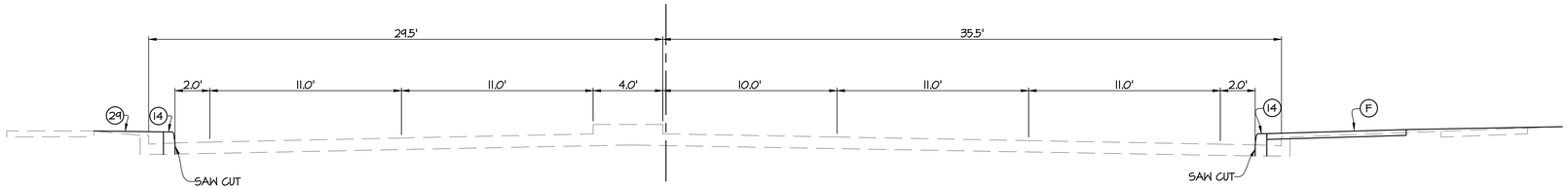
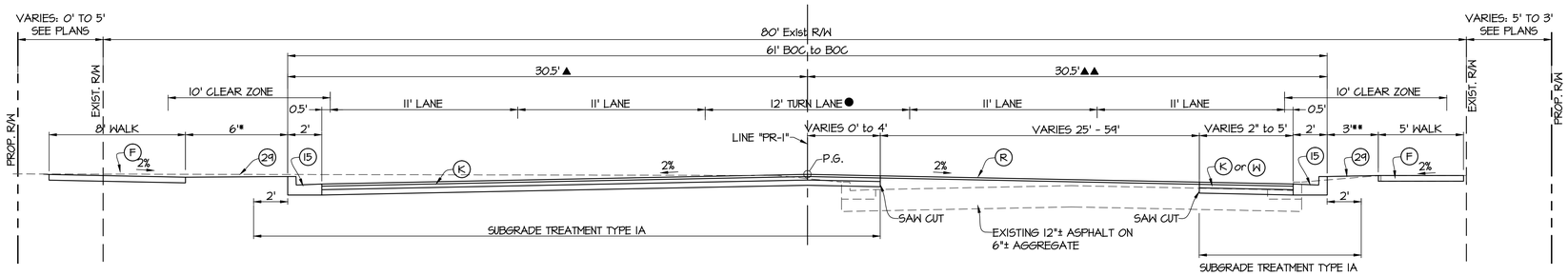


TYPICAL 4-LANE SECTION w/ LEFT TURN LANE

SCALE: 1/4"=1'

STA. 53+19 TO STA. 54+00 "PR-1"



* -3' UTILITY STRIP FROM STA. 44+50 "PR-1" TO STA. 51+65 "PR-1". CURBFACE WALK FROM 52+50 TO END OF PROJECT.

TYPICAL 4-LANE SECTION w/ LEFT TURN LANE

SCALE: 1/4"=1'

STA. 45+00 TO STA. 53+19 "PR-1"

▲ -VARIES FROM 30.5' AT STA. 51+58.8 "PR-1" TO 33.4' AT STA. 53+03.8 "PR-1"

▲▲ -VARIES FROM 30.5' AT STA. 51+58.8 "PR-1" TO 32.0' AT STA. 53+19 "PR-1"

● -TWO-WAY LEFT TURN LANE FROM STA. 47+07 "PR-1" TO STA. 50+60 "PR-1"

** -3' UTILITY STRIP FROM STA. 50+00 "PR-1" TO GEORGETOWN LANE. CURBFACE WALK FROM GEORGETOWNE LANE TO END OF PROJECT.

TYPICAL 4-LANE SECTION w/ LEFT TURN LANE

SCALE: 1/4"=1'

STA. 43+00 TO STA. 44+74

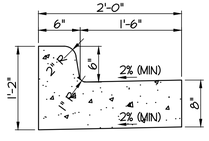
TYPICAL RECONSTRUCTION

SCALE: 1/4"=1'

STA. 38+70 TO STA. 43+00 "PR-1"

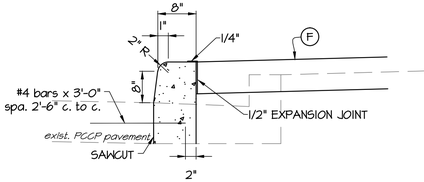
■ - VARIES FROM 25.17' AT STA. 40+00 "PR-1" TO 27.00' AT STA. 41+10 "PR-1"

□ - VARIES FROM 0' AT STA. 38+70 "PR-1" TO 6' AT STA. 41+10 "PR-1"



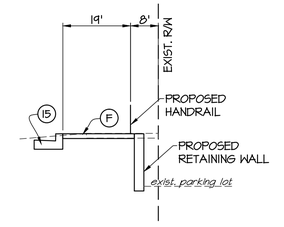
CURB & GUTTER, COMBINED, CONCRETE, MODIFIED

SCALE: 1"=1'



(14) INTEGRAL CONCRETE CURB TYPE C DETAIL

N.T.S.



RETAINING WALL DETAIL

SCALE: 1"=5'

STA. 52+50 TO STA. 54+50

LEGEND

- (F) SIDEWALK, CONCRETE, 4"
- (K) HMA FOR MAINLINE
  165 #/SY HMA QC/QA, 4, 64, SURFACE 9.5 mm ON
  275 #/SY HMA QC/QA, 4, 64, INTERMED. 19.0 mm ON
  440 #/SY HMA QC/QA, 4, 64, BASE 25.0 mm ON
  SUBGRADE TREATMENT TYPE IA
- (R) HMA FOR RESURFACING
  165 #/SY HMA QC/QA, 4, 64, SURFACE 9.5 mm ON
  VARIABLE DEPTH HMA INTERMEDIATE, TYPE B
  (MIN. 110 #/SY, MAX. 330 #/SY) ON
  MILLING, SCARIFICATION/PROFILE
- (W) HMA FOR WIDENING
  165 #/SY HMA QC/QA, 4, 64, SURFACE 9.5 mm ON
  275 #/SY HMA QC/QA, 4, 64, INTERMED. 19.0 mm ON
  440 #/SY HMA QC/QA, 4, 64, BASE 25.0 mm ON
  SUBGRADE TREATMENT TYPE IA
- (13) CONCRETE CURB, 6"
- (14) INTEGRAL CONCRETE CURB TYPE C
- (15) CURB AND GUTTER, COMBINED, CONCRETE, MODIFIED
- (29) MULCHED SEEDING, TYPE U
- (K) WIDTHS 5' & WIDER
- (W) WIDTHS LESS THAN 5'

A&Z ENGINEERING LLC
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Fort Wayne, IN 46825
260.485.7077
www.az-engineering.net

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: PDR DRAWN: JLS

CHECKED: AJO CHECKED: AJO

CITY OF FORT WAYNE
MAPLECREST ROAD IMPROVEMENTS

TYPICAL CROSS SECTIONS

HORIZONTAL SCALE	
AS SHOWN	
VERTICAL SCALE	
N/A	

DESIGNATION	SHEETS
0500695	4 of 82
CONTRACT	PROJECT NUMBER
R-33886	0500695

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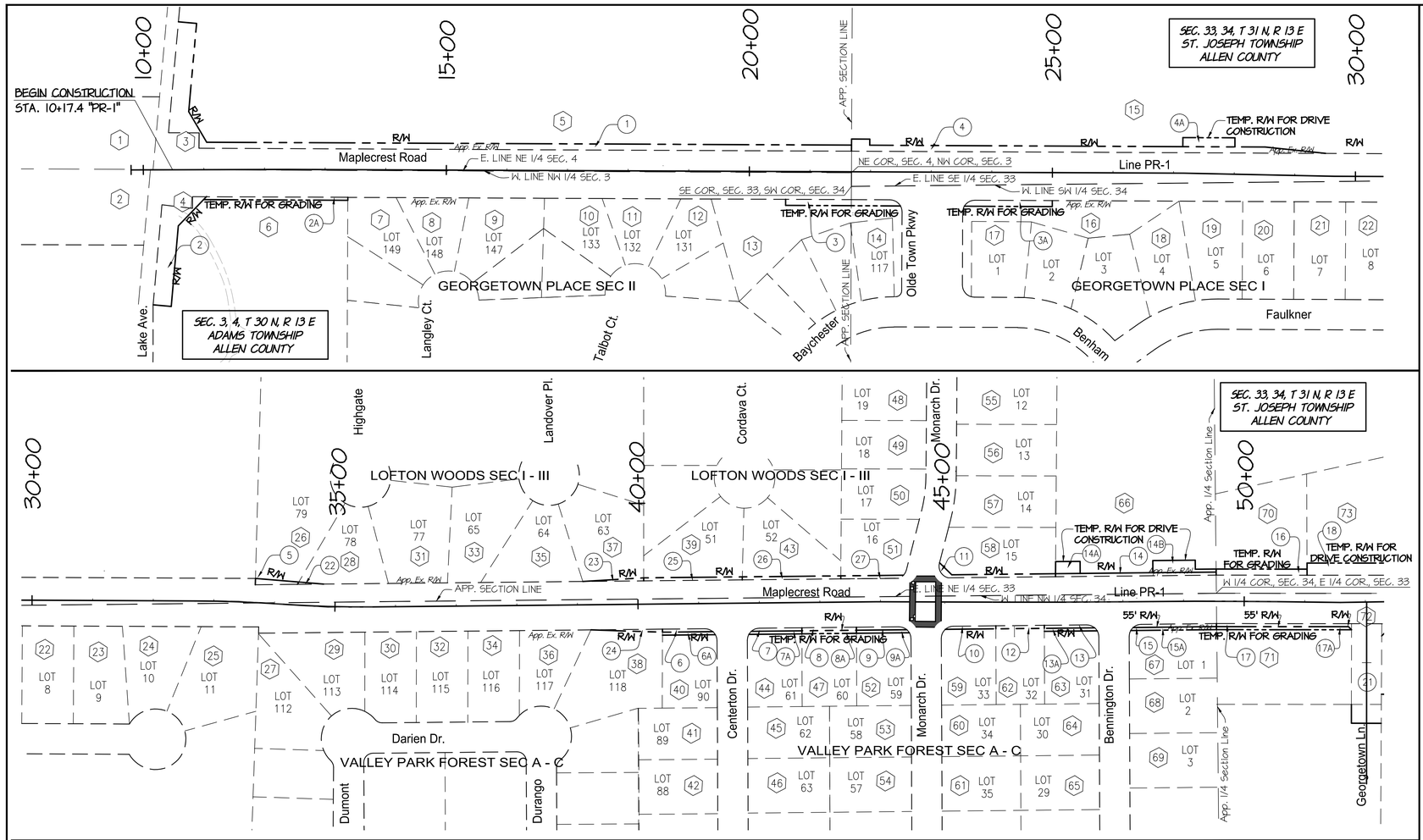

PROPERTY OWNER

PARCEL NUMBER

INDEX

No.	OWNER
1.	Board of Commissioners
2.	Board of Commissioners
3.	Board of Commissioners
4.	Board of Commissioners
5.	Donegan Properties, LLC
6.	James W. Jr. Hatfield & June M Baker Hatfield
7.	John P. & Kayleen J. Wehner
8.	Joseph H. & Phyllis J. Friedley
9.	William R. & Jean A. White
10.	Wava P. Duckworth
11.	Robert J. & Bonda Tutwiler
12.	Donald J. & Virginia T. Wulpi
13.	Georgetowne Place Community Assn. Inc.
14.	Nellie B. & Virginia E. Maloley
15.	Ventas Georgetowne LLC
16.	Georgetowne Place Community Assn. Inc.
17.	Providence Development LLC
18.	Lyle R. & Darlene L. Elser L/Est & Co-Trs
19.	Thomas M. & Helen L. Werner
20.	George M. II O'Hara
21.	Chanchai & Somkuon Hocharoen
22.	Albert H. & Elizabeth O. Lefevra
23.	Donald E. & Michelle Kidd
24.	Arthur & Susan Klausmeier
25.	James M. & Cheryl L. McGinnis
26.	Alexander T. & Caroline J. Demetroff
27.	Gary J. Schaefer
28.	Karen A. Karrer
29.	David M. & Roling Tiffany S. Jehl
30.	David A. & Jacqueline S. Hatch
31.	Sammie J. & Sandra K. Grimm
32.	Robert E. & Joan L. Tobias
33.	Keith E. & Marianna C. Kidder
34.	Bankers Trust Co. of California
35.	Terrence S. & Nancy A. Warner
36.	Kenneth L. & Meredith S. Hagstrom
37.	Dane M. & Karen M. Wade
38.	James R. & Tricia L. McIntyre
39.	Steve J. & Tamara K. Faurote
40.	James B. II & Nicole L. Fuller
41.	James G. & Mavis D. Phillips
42.	Diana H. Ormerod
43.	Jonathon D. & Christina M. Martin
44.	Annette Caffrey
45.	Jeffrey A. & Pamela S. Shannon
46.	Lisa J. Tschantz
47.	Stephen L. Ludlow
48.	Paul S. & Judith A. Hansen
49.	Ronald S. Lewis
50.	William A. Walsh
51.	Anne Marie Neumann
52.	Julie A. & Ricky C. Allen
53.	Richard B. & Autum A. Mims
54.	Dale N. & Lynn S. Lehman
55.	Steven M. & Kathy A. Bumgardner
56.	Robert E. Benhower
57.	George Frederick & Mary S. Simler
58.	Donna G. Walker
59.	Thomas L. & Linda J. Niccum
60.	Alex Palermo
61.	April Ellis
62.	Oliver R. II & Nancy L. Volk
63.	Kenneth M. & Marlo Harley
64.	Peter M. & Betty R. Frolick
65.	Michael & Julie King
66.	Fort Wayne Community Schools
67.	Michael E. & Andrea L. Danner
68.	Leo A. & Bonita L. Curry
69.	Mitchell & Tina Griffin
70.	TD Beck Properties, LLC
71.	Erma B. Scott & Alan & Tracy L. & Judy INT
72.	Lake Forest Garden Apartments
73.	Wendy's of Fort Wayne, Inc.
74.	Black Gold Ventures Indiana
75.	Georgetown Members LLC

A&Z ENGINEERING LLC
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RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER DATE

DESIGNED: JLS DRAWN: JLS

CHECKED: AJO CHECKED: AJO

CITY OF FORT WAYNE
MAPLECREST ROAD IMPROVEMENTS

PLAT NO. 1

HORIZONTAL SCALE	
1" = 100'	
VERTICAL SCALE	
N/A	
DESIGNATION	SHEETS
0500695	5 of 82
CONTRACT	PROJECT NUMBER
R-33886	0500695

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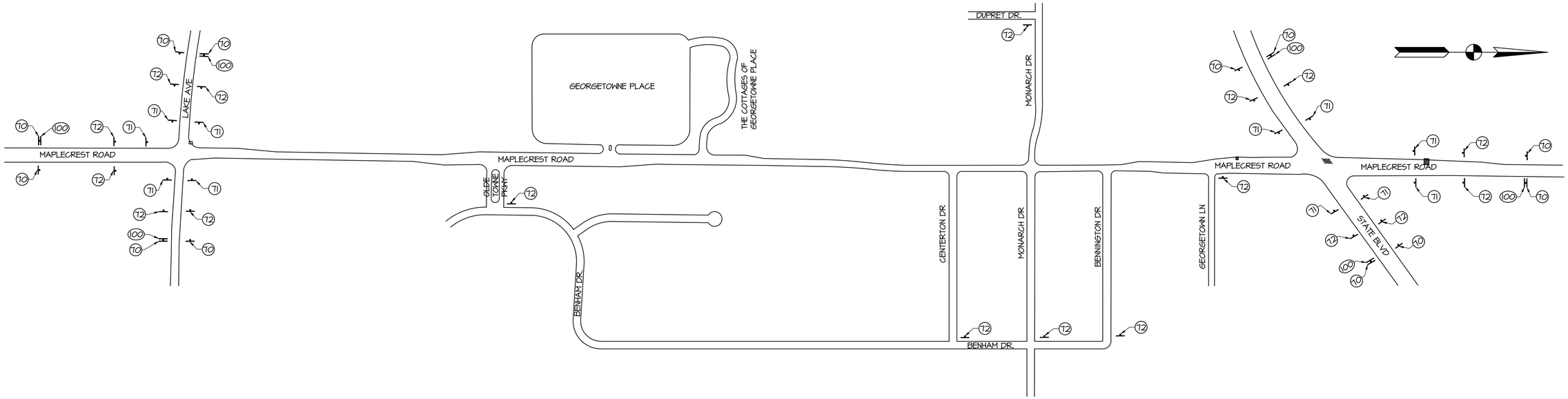

CONSTRUCTION SIGN SUMMARY TABLE

PAY ITEM	QUANTITY
TYPE A CONSTRUCTION SIGNS	35 EA
TYPE B CONSTRUCTION SIGNS	19 EA
TYPE C CONSTRUCTION SIGNS	12 EA
ROAD CLOSURE SIGN ASSY	2 EA
FLASHING ARROW BOARD	4 EA @ 30 DAYS = 120 DAYS

NOTE: PLACE CONSTRUCTION SIGNS 200 FT. MIN. IN ADVANCE OF CONSTRUCTION ZONES AND SPACE 200 FT. (MIN.) APART.

LEGEND

(70) MAXIMUM PENALTY (XG20-7)
(71) ROAD CONSTRUCTION NEXT XX MILES (XW20-1)
(72) ROAD CONSTRUCTION AHEAD (XW20-1)
(100) END CONSTRUCTION (XG20-2)

CONSTRUCTION SIGN & TEMPORARY MARKINGS SUMMARY TABLE

	SIGN TYPE	LEGEND & DESIGNATION	QUANTITIES					MAX PHASE TOTAL
			GENERAL	PHASE I	PHASE II	PHASE III	PHASE IV	
(70)	C	MAXIMUM PENALTY (XG20-7)	12 EA					12 EA
(71)	A	ROAD CONSTRUCTION NEXT XX MILES (XW20-1)	11 EA					11 EA
(72)	A	ROAD CONSTRUCTION AHEAD (XW20-1)	18 EA					18 EA
(75)	A	ROAD CLOSED AHEAD (XW20-3)			2 EA			2 EA
(78)	RCSA	ROAD CLOSURE SIGN ASSEMBLY "ROAD CLOSED" (R11-2)			2 EA			2 EA
(80)	-	BARRICADE TYPE III-B		48 LF	420 LF	144 LF	96 LF	708 LF
(93)	B	MERGE LEFT - XW4-2(L)			2 EA			2 EA
(95)	B	LANE ENDS MERGE LT - XW9-2(L)			2 EA			2 EA
(97)	B	NO LEFT TURN (SYMBOLIC) R3-1(L)			5 EA			5 EA
(100)	A	END CONSTRUCTION (XG20-2)	6 EA					6 EA
(103)	-	NO RIGHT TURN (SYMBOLIC) R3-1(R)			1 EA			1 EA
(104)	B	RIGHT LANE MUST TURN RIGHT			2 EA			2 EA
(105)	B	LEFT LANE MUST TURN LEFT				2 EA		2 EA
(106)	-	TEMPORARY PAVEMENT MARKING, THERMO., SOLID YELLOW, 4 IN.		5000 LF	11380 LF	9226 LF	4924 LF	30530 LF
(108)	-	TEMPORARY PAVEMENT MARKING, THERMO., SOLID WHITE, 4 IN.		2574 LF	6250 LF	5117 LF	100 LF	14641 LF
(110)	-	TEMPORARY TRANSVERSE PARVEMENT MARKING, THERMO., 24 IN.			76 LF	83 LF	46 LF	205 LF
(111)	-	TEMPORARY PAVEMENT MESSAGE MARKING, THERMO., LANE INDICATION ARROW		2 EA	13 EA	14 EA	2 EA	31 EA
		FLASHING ARROW BOARD			4 EA			4 EA

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DESIGN ENGINEER — DATE

DESIGNED: JLS — DRAWN: JLS
CHECKED: — CHECKED:

CITY OF FORT WAYNE
MAPLECREST ROAD IMPROVEMENTS

MAINTENANCE OF TRAFFIC
GENERAL SIGNAGE

HORIZONTAL SCALE	
N.T.S.	
VERTICAL SCALE	
N.T.S.	

DESIGNATION	SHEETS
0500695	6 of 82
CONTRACT	PROJECT NUMBER
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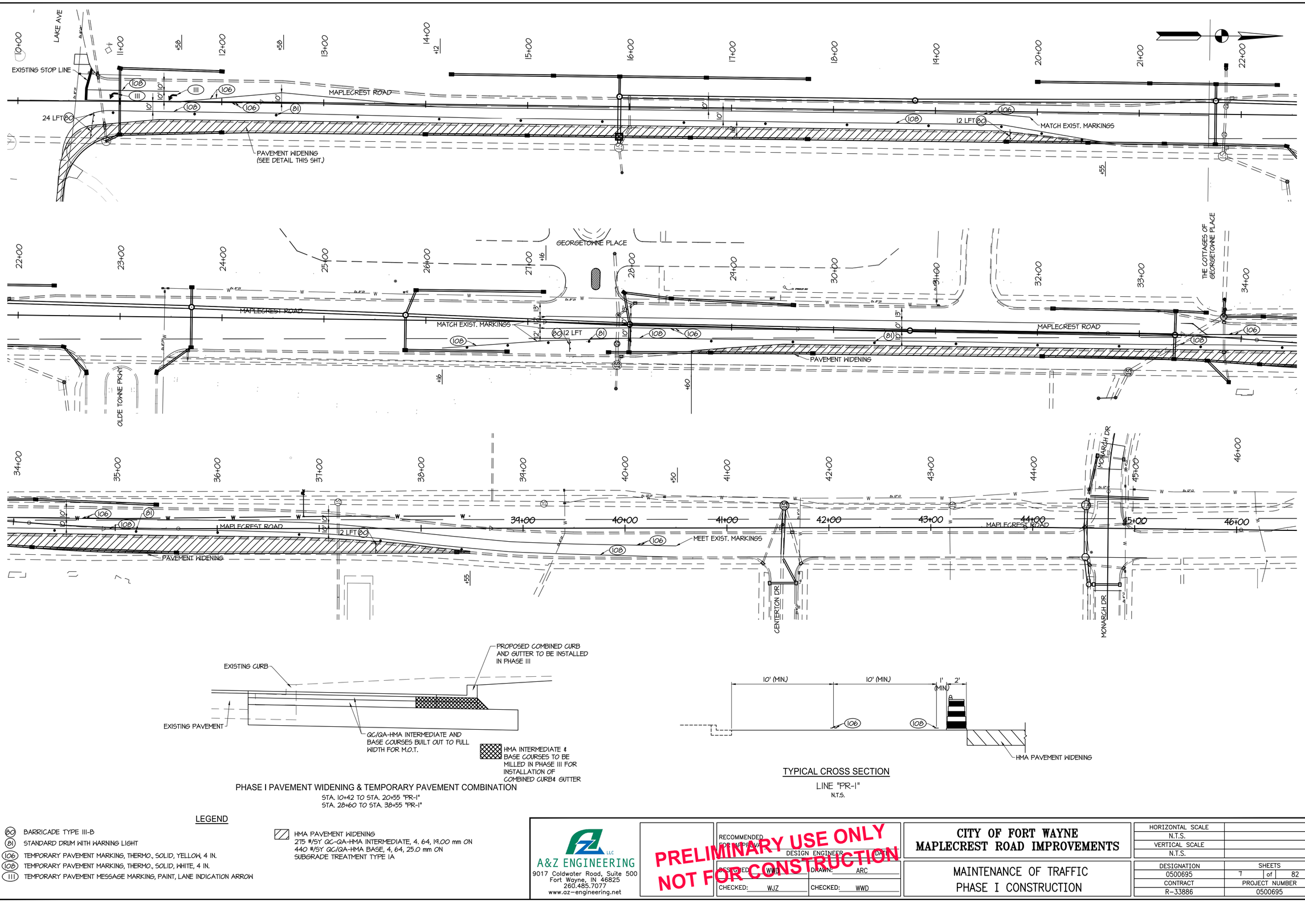

PHASE I PAVEMENT WIDENING & TEMPORARY PAVEMENT COMBINATION

STA. 10+42 TO STA. 20+55 "PR-1"
STA. 28+60 TO STA. 38+55 "PR-1"

TYPICAL CROSS SECTION

LINE "PR-1"
N.T.S.

LEGEND

- (BC) BARRICADE TYPE III-B
- (81) STANDARD DRUM WITH WARNING LIGHT
- (106) TEMPORARY PAVEMENT MARKING, THERMO., SOLID, YELLOW, 4 IN.
- (108) TEMPORARY PAVEMENT MARKING, THERMO., SOLID, WHITE, 4 IN.
- (111) TEMPORARY PAVEMENT MESSAGE MARKING, PAINT, LANE INDICATION ARROW

HMA PAVEMENT WIDENING
275 #/SY QC-QA-HMA INTERMEDIATE, 4, 64, 19.00 mm ON
440 #/SY QC/QA-HMA BASE, 4, 64, 25.0 mm ON
SUBGRADE TREATMENT TYPE 1A

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DRAWN: ARC
CHECKED: WJZ
CHECKED: WWD

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CITY OF FORT WAYNE
MAPLECREST ROAD IMPROVEMENTS

MAINTENANCE OF TRAFFIC
PHASE I CONSTRUCTION

HORIZONTAL SCALE	
N.T.S.	
VERTICAL SCALE	
N.T.S.	
DESIGNATION	SHEETS
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CONTRACT	PROJECT NUMBER
R-33886	0500695

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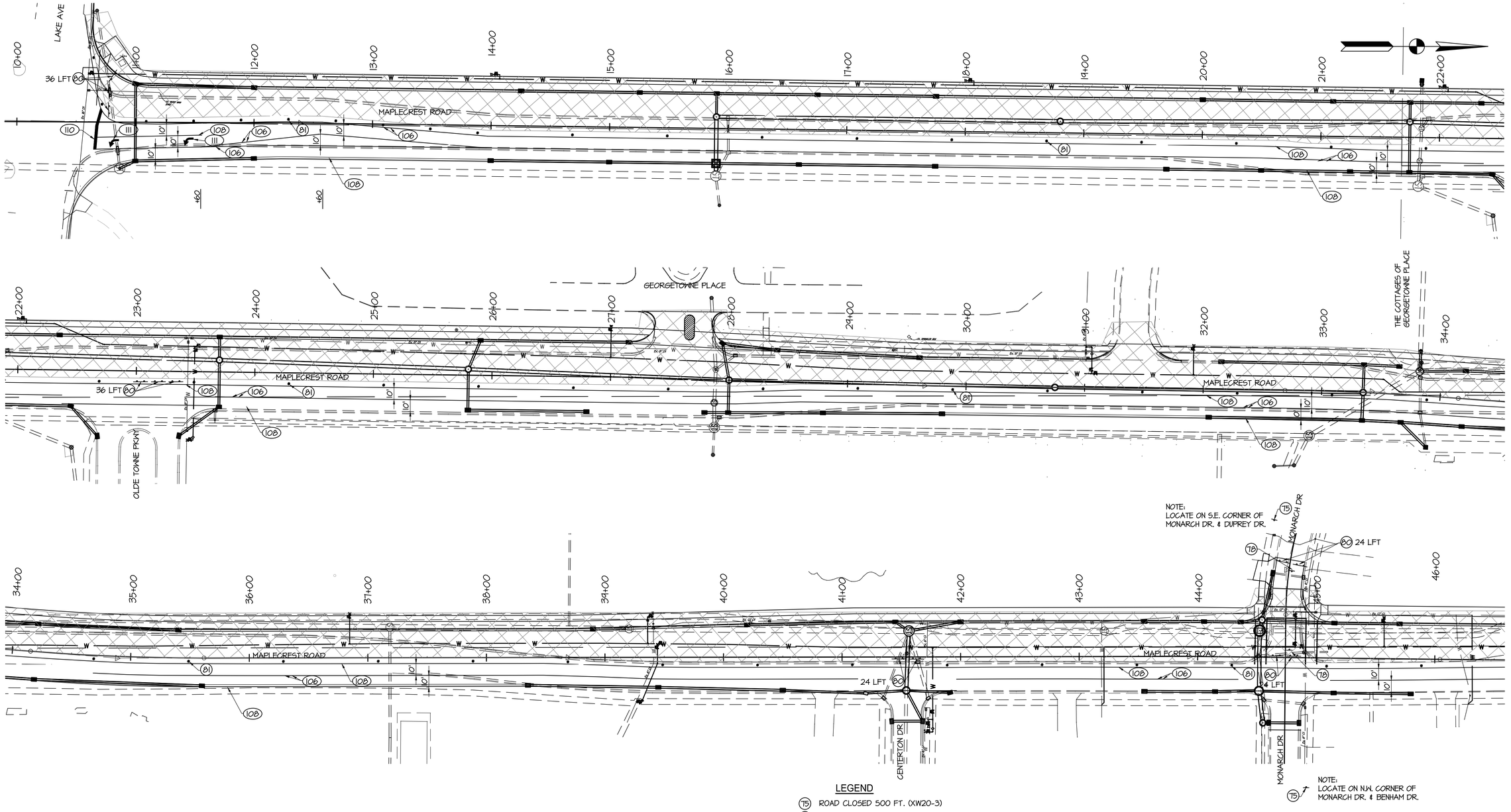
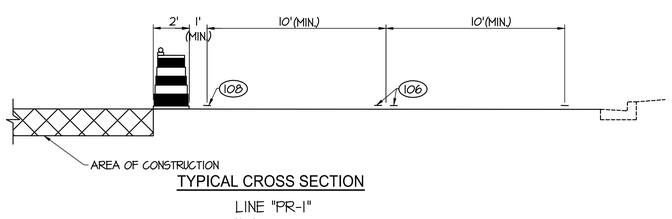


LEGEND

- (75) ROAD CLOSED 500 FT. (XW20-3)
- (78) ROAD CLOSURE SIGN ASSEMBLY "ROAD CLOSED LOCAL TRAFFIC ONLY" (RII-3)
- (80) BARRICADE TYPE III-B
- (81) STANDARD DRUM WITH WARNING LIGHT
- (106) TEMPORARY PAVEMENT MARKING, THERMO., SOLID, YELLOW, 4 IN.
- (108) TEMPORARY PAVEMENT MARKING, THERMO., SOLID, WHITE, 4 IN.
- (110) TEMPORARY TRANSVERSE PAVEMENT MARKING, PAINT, 24 IN.
- (111) TEMPORARY PAVEMENT MESSAGE MARKING, PAINT, LANE INDICATION ARROW
- AREA OF CONSTRUCTION



TYPICAL CROSS SECTION

LINE "PR-I"

N.T.S.

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CITY OF FORT WAYNE
MAPLECREST ROAD IMPROVEMENTS

MAINTENANCE OF TRAFFIC
PHASE II CONSTRUCTION

HORIZONTAL SCALE	
1"=40'	
VERTICAL SCALE	
N.T.S.	

DESIGNATION	SHEETS
0500695	8 of 82
CONTRACT	PROJECT NUMBER
R-33886	0500695

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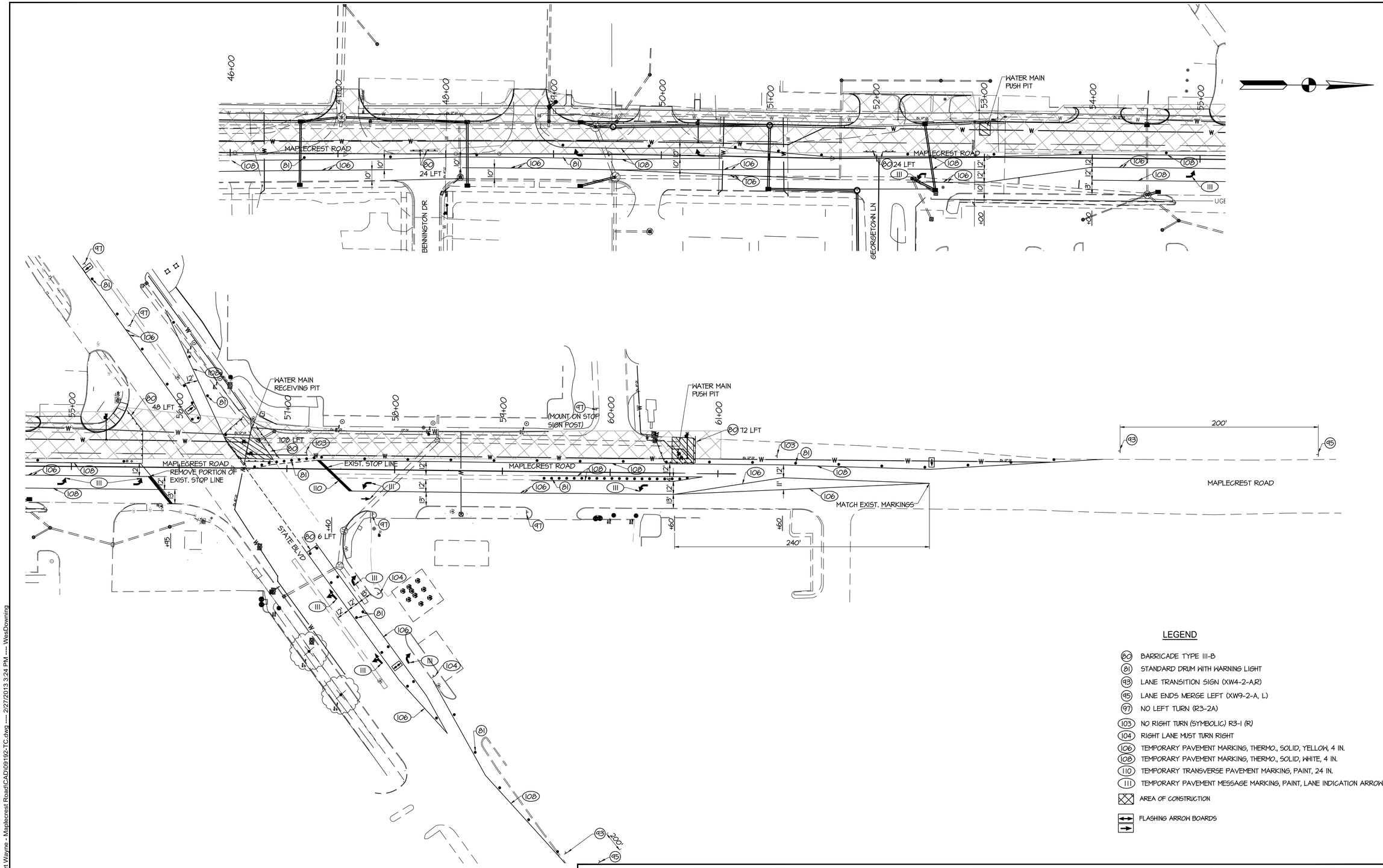

LEGEND

- (80) BARRICADE TYPE III-B
- (81) STANDARD DRUM WITH WARNING LIGHT
- (93) LANE TRANSITION SIGN (XW4-2-A,R)
- (95) LANE ENDS MERGE LEFT (XW9-2-A, L)
- (97) NO LEFT TURN (R3-2A)
- (103) NO RIGHT TURN (SYMBOLIC) R3-1 (R)
- (104) RIGHT LANE MUST TURN RIGHT
- (106) TEMPORARY PAVEMENT MARKING, THERMO., SOLID, YELLOW, 4 IN.
- (108) TEMPORARY PAVEMENT MARKING, THERMO., SOLID, WHITE, 4 IN.
- (110) TEMPORARY TRANSVERSE PAVEMENT MARKING, PAINT, 24 IN.
- (111) TEMPORARY PAVEMENT MESSAGE MARKING, PAINT, LANE INDICATION ARROW
- AREA OF CONSTRUCTION
- FLASHING ARROW BOARDS

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DESIGN ENGINEER ____ DATE ____

DESIGNED: WWD
DRAWN: ARC
CHECKED: WJZ
CHECKED: WWD

CITY OF FORT WAYNE
MAPLECREST ROAD IMPROVEMENTS

MAINTENANCE OF TRAFFIC
PHASE II CONSTRUCTION

HORIZONTAL SCALE	
1"=40'	
VERTICAL SCALE	
NONE	
DESIGNATION	SHEETS
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CONTRACT	PROJECT NUMBER
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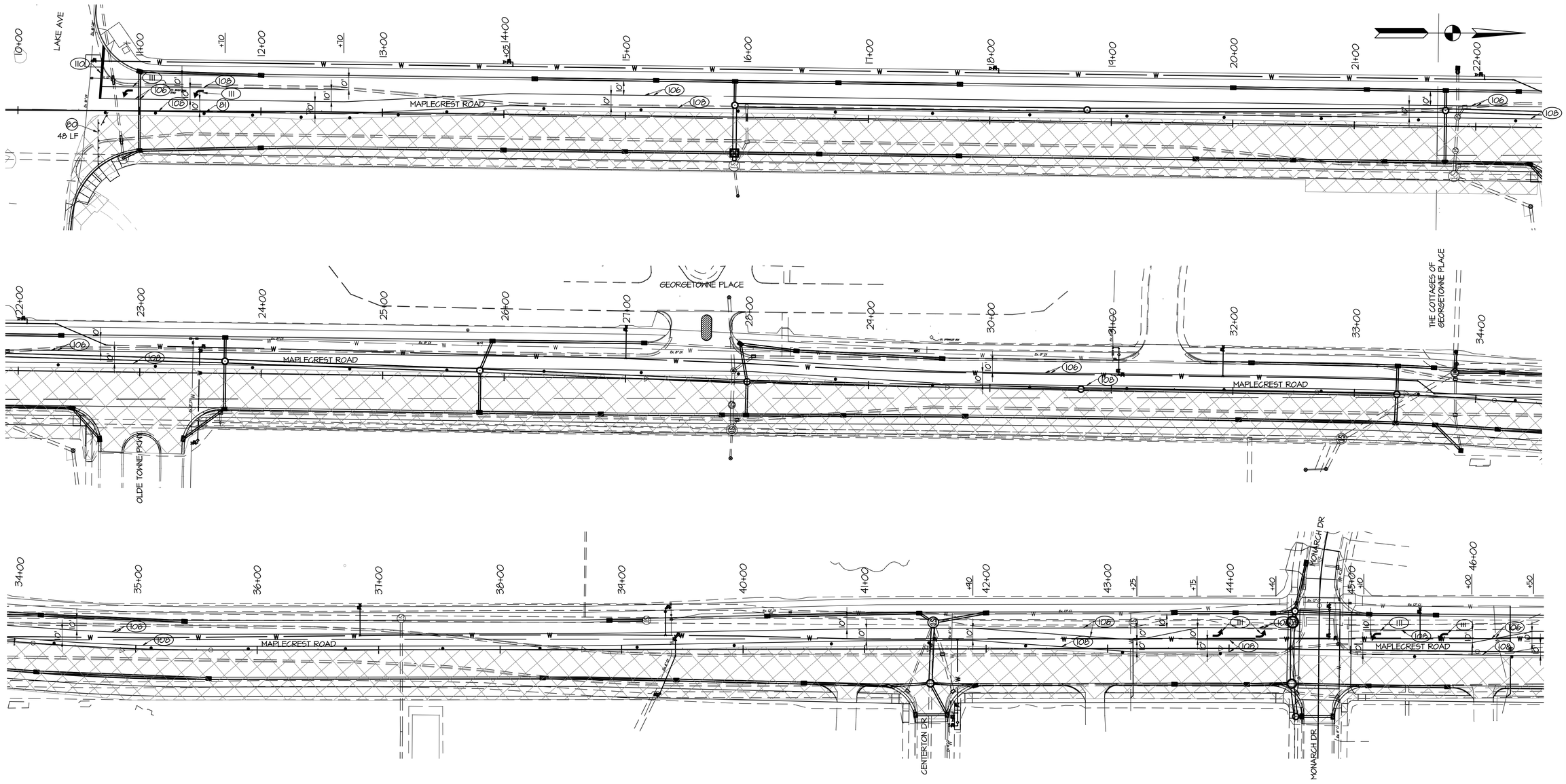

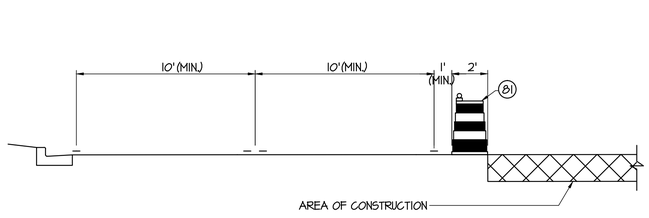

TYPICAL CROSS SECTION

LINE "PR-1"

N.T.S.

LEGEND

- (80) BARRICADE TYPE III-B
- (81) STANDARD DRUM WITH WARNING LIGHT
- (106) TEMPORARY PAVEMENT MARKING, THERMO., SOLID, YELLOW, 4 IN.
- (108) TEMPORARY PAVEMENT MARKING, THERMO., SOLID, WHITE, 4 IN.
- (110) TEMPORARY TRANSVERSE PAVEMENT MARKING, PAINT, 24 IN.
- (111) TEMPORARY PAVEMENT MESSAGE MARKING, PAINT, LANE INDICATION ARROW
- AREA OF CONSTRUCTION

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CITY OF FORT WAYNE
MAPLECREST ROAD IMPROVEMENTS

MAINTENANCE OF TRAFFIC
PHASE III CONSTRUCTION

HORIZONTAL SCALE	
1"=40'	
VERTICAL SCALE	
NONE	
DESIGNATION	SHEETS
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CONTRACT	PROJECT NUMBER
R-33886	0500695

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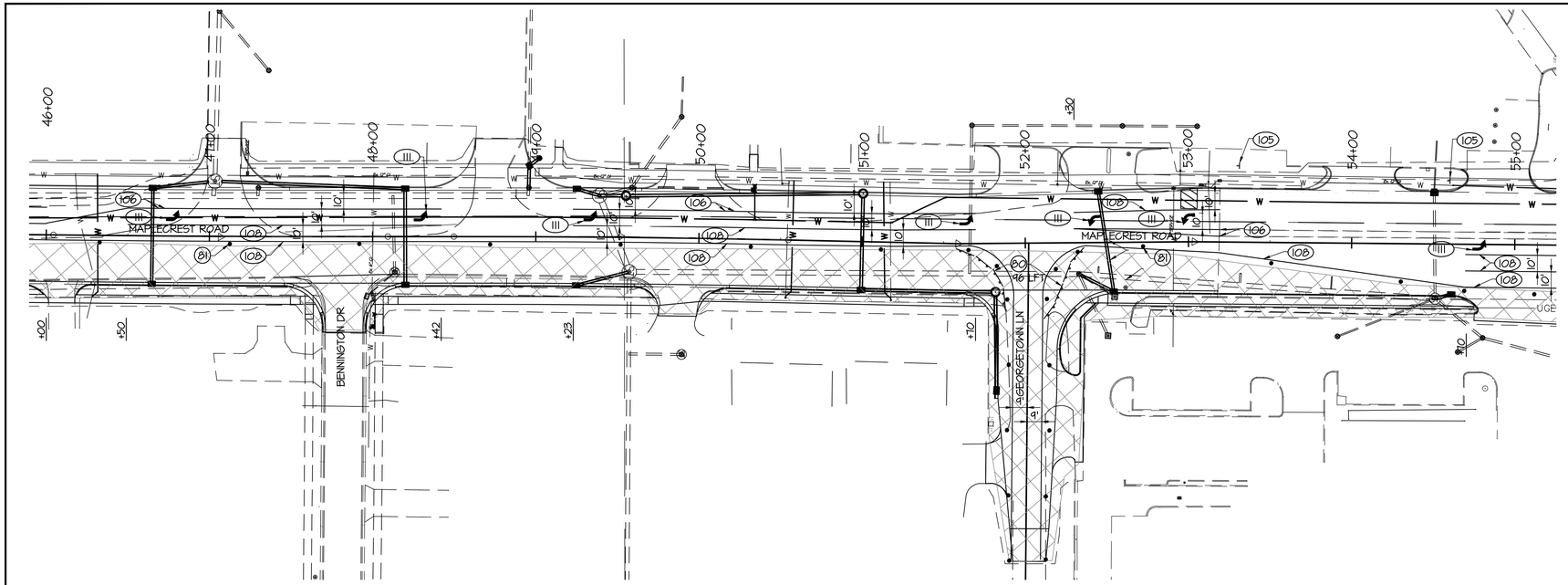

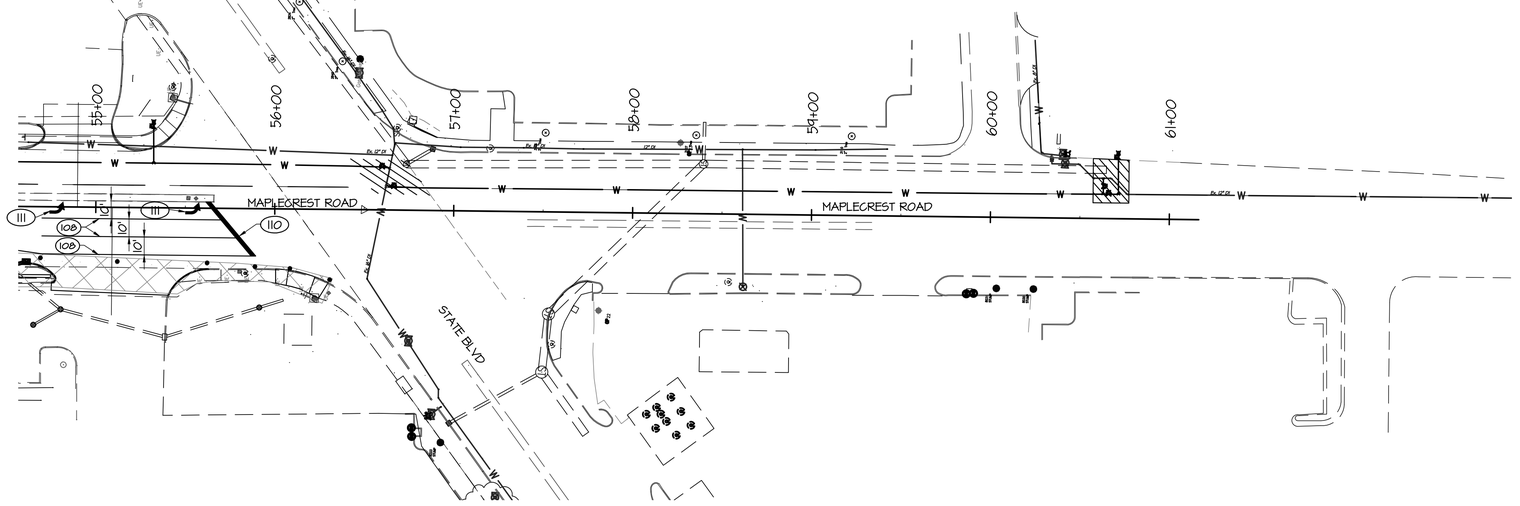

LEGEND

- (80) BARRICADE TYPE III-B
- (81) STANDARD DRUM WITH WARNING LIGHT
- (105) LEFT TURN MUST TURN LEFT R3-7 (L)
- (106) TEMPORARY PAVEMENT MARKING, THERMO., SOLID, YELLOW, 4 IN.
- (108) TEMPORARY PAVEMENT MARKING, THERMO., SOLID, WHITE, 4 IN.
- (110) TEMPORARY TRANSVERSE PAVEMENT MARKING, PAINT, 24 IN.
- (111) TEMPORARY PAVEMENT MESSAGE MARKING, PAINT, LANE INDICATION ARROW
- AREA OF CONSTRUCTION

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CHECKED: WJZ CHECKED: WWD

CITY OF FORT WAYNE
MAPLECREST ROAD IMPROVEMENTS

MAINTENANCE OF TRAFFIC
PHASE III CONSTRUCTION

HORIZONTAL SCALE	
1"=40'	
VERTICAL SCALE	
NONE	

DESIGNATION	SHEETS		
0500695	II	of	82
CONTRACT	PROJECT NUMBER		
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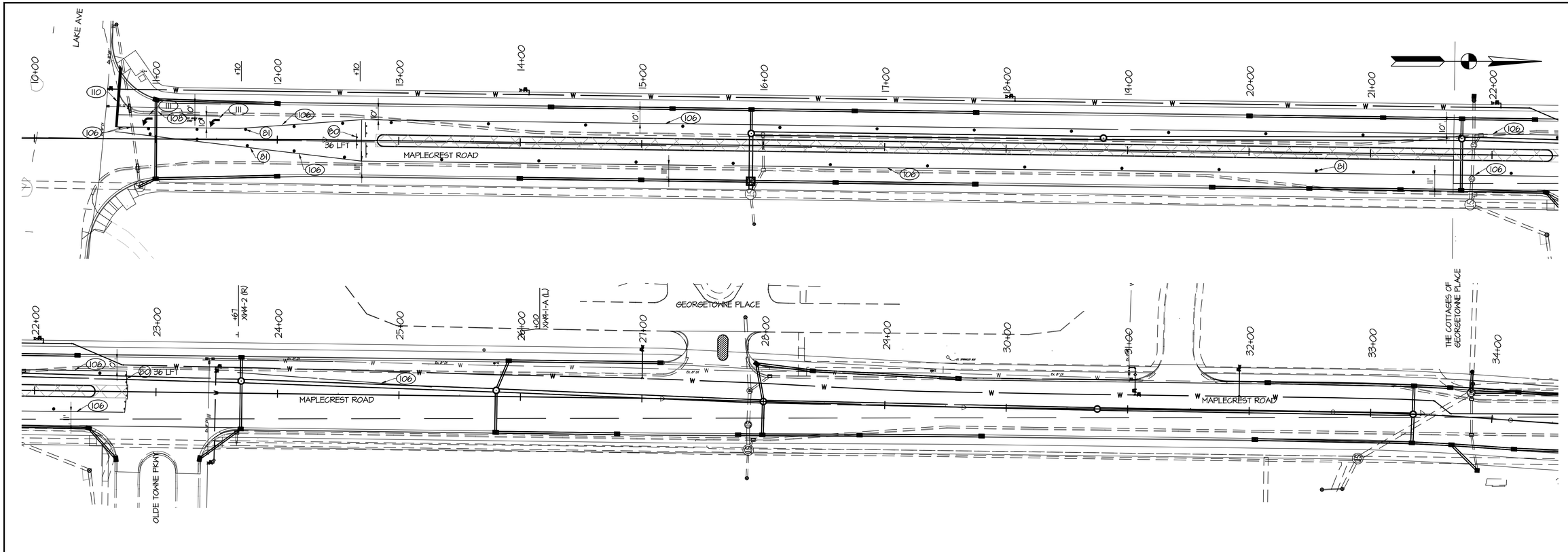

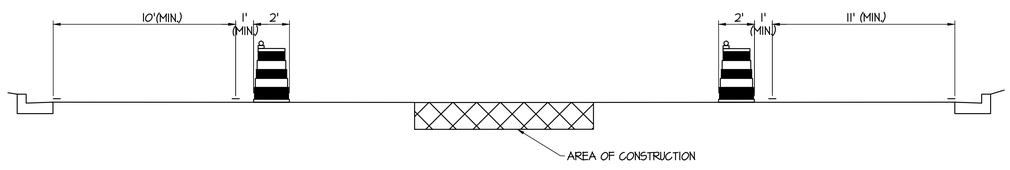

TYPICAL CROSS SECTION

LINE "PR-1"

N.T.S.

LEGEND

- (80) BARRICADE TYPE III-B
- (81) STANDARD DRUM WITH WARNING LIGHT
- (106) TEMPORARY PAVEMENT MARKING, THERMO., SOLID, YELLOW, 4 IN.
- (108) TEMPORARY PAVEMENT MARKING, THERMO., SOLID, WHITE, 4 IN.
- (110) TEMPORARY TRANSVERSE PAVEMENT MARKING, PAINT, 24 IN.
- (111) TEMPORARY PAVEMENT MESSAGE MARKING, PAINT, LANE INDICATION ARROW
- AREA OF CONSTRUCTION

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CITY OF FORT WAYNE
MAPLECREST ROAD IMPROVEMENTS

MAINTENANCE OF TRAFFIC
PHASE IV CONSTRUCTION

HORIZONTAL SCALE	
1"=40'	
VERTICAL SCALE	
NONE	
DESIGNATION	SHEETS
0500695	12 of 82
CONTRACT	PROJECT NUMBER
R-33886	0500695

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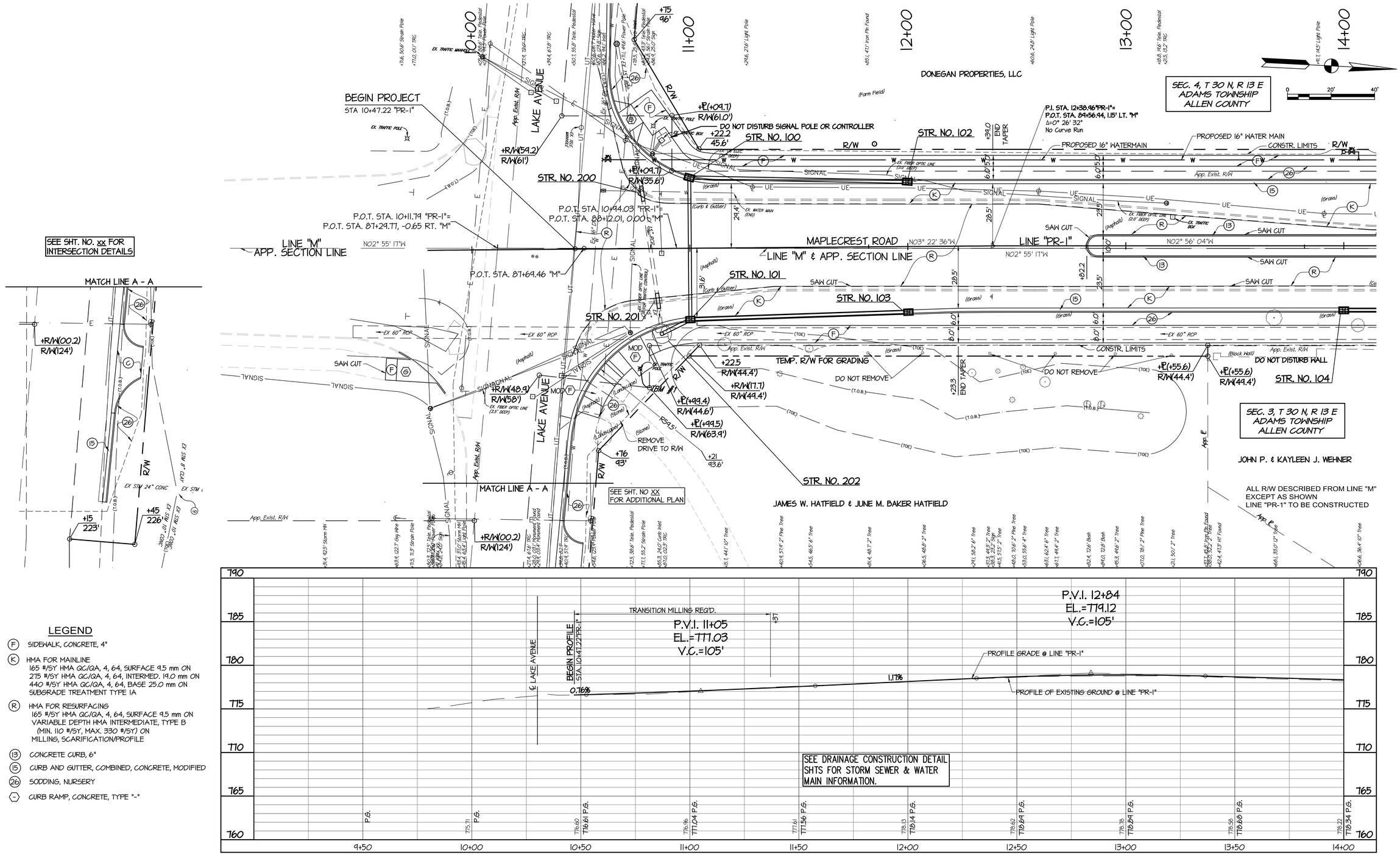

LEGEND

- (F) SIDEWALK, CONCRETE, 4"
- (K) HMA FOR MAINLINE
  165 #/SY HMA QC/QA, 4, 64, SURFACE 9.5 mm ON
  275 #/SY HMA QC/QA, 4, 64, INTERMED. 19.0 mm ON
  440 #/SY HMA QC/QA, 4, 64, BASE 25.0 mm ON
  SUBGRADE TREATMENT TYPE 1A
- (R) HMA FOR RESURFACING
  165 #/SY HMA QC/QA, 4, 64, SURFACE 9.5 mm ON
  VARIABLE DEPTH HMA INTERMEDIATE, TYPE B
  (MIN. 110 #/SY, MAX. 330 #/SY) ON
  MILLING, SCARIFICATION/PROFILE
- (13) CONCRETE CURB, 6"
- (15) CURB AND GUTTER, COMBINED, CONCRETE, MODIFIED
- (26) SODDING, NURSERY
- (<) CURB RAMP, CONCRETE, TYPE "-"

TBM #1 - CHISELED 'X' ON W. BOLT OF STRAND POLE ON NE CORNER OF MAPLECREST RD. & LAKE AVE.
STA. 10+76.8', 55.2' RT.(PR-1), ELEV.=778.25

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CITY OF FORT WAYNE MAPLECREST ROAD IMPROVEMENTS

PLAN & PROFILE LINE PR-1

HORIZONTAL SCALE	
1" = 20'	
VERTICAL SCALE	
1" = 5'	
DESIGNATION	SHEETS
0500695	13 of 82
CONTRACT	PROJECT NUMBER
R-33886	0500695

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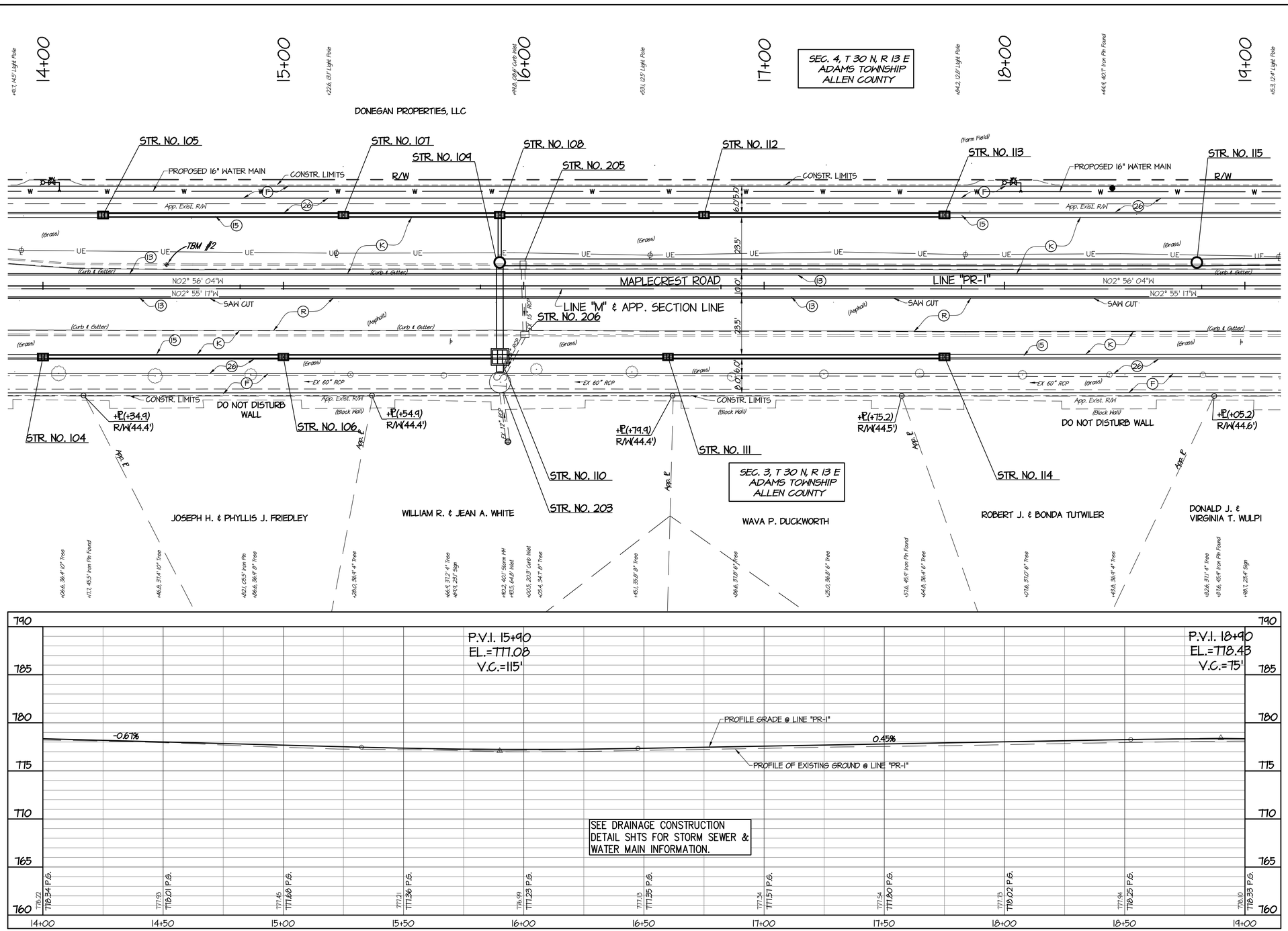

ALL R/W DESCRIBED FROM LINE "M" EXCEPT AS SHOWN
LINE "PR-1" TO BE CONSTRUCTED

LEGEND

- (F) SIDEWALK, CONCRETE, 4"
- (K) HMA FOR MAINLINE
  165 #/SY HMA QC/QA, 4, 64, SURFACE 9.5 mm ON
  275 #/SY HMA QC/QA, 4, 64, INTERMED. 19.0 mm ON
  440 #/SY HMA QC/QA, 4, 64, BASE 25.0 mm ON
  SUBGRADE TREATMENT TYPE 1A
- (R) HMA FOR RESURFACING
  165 #/SY HMA QC/QA, 4, 64, SURFACE 9.5 mm ON
  VARIABLE DEPTH HMA INTERMEDIATE, TYPE B
  (MIN. 110 #/SY, MAX. 330 #/SY) ON
  MILLING, SCARIFICATION/PROFILE
- (13) CONCRETE CURB, 6"
- (15) CURB AND GUTTER, COMBINED, CONCRETE, MODIFIED
- (26) SODDING, NURSERY

TBM #2 - CHISELED 'X' IN WEST CURB OF MAPLECREST RD., 38.7' NORTH OF SOUTHBOUND TURN LANE TAPER
STA. 14+51.4, 8.9' LT.(PR-1), ELEV.=779.14

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CITY OF FORT WAYNE
MAPLECREST ROAD IMPROVEMENTS

PLAN & PROFILE
LINE PR-1

HORIZONTAL SCALE	
1" = 20'	
VERTICAL SCALE	
1" = 5'	
DESIGNATION	SHEETS
0500695	14 of 82
CONTRACT	PROJECT NUMBER
R-33886	0500695

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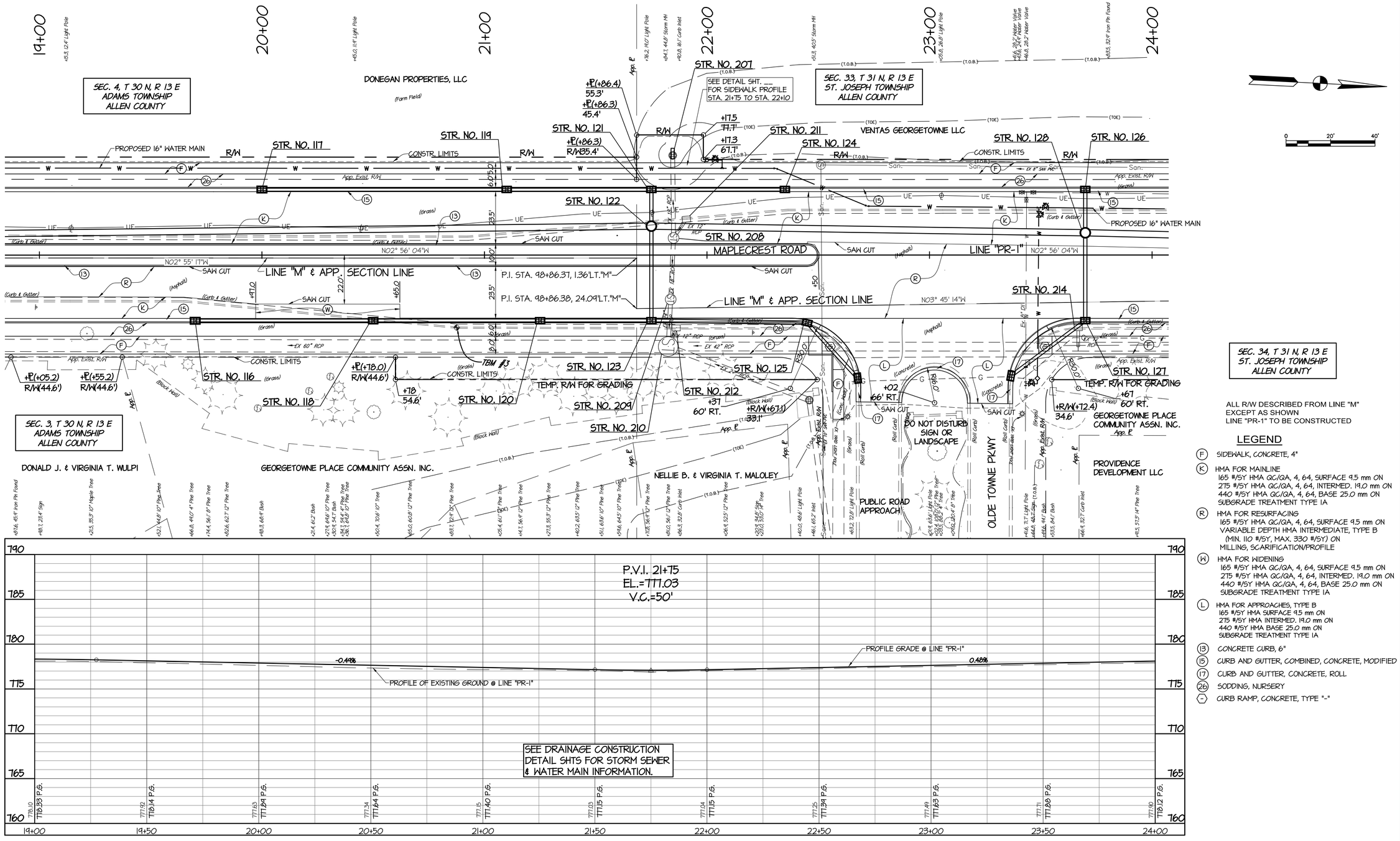

ALL R/W DESCRIBED FROM LINE "M" EXCEPT AS SHOWN
LINE "PR-1" TO BE CONSTRUCTED

LEGEND

- (F) SIDEWALK, CONCRETE, 4"
- (K) HMA FOR MAINLINE
  165 #/SY HMA QC/QA, 4, 64, SURFACE 9.5 mm ON
  275 #/SY HMA QC/QA, 4, 64, INTERMED. 19.0 mm ON
  440 #/SY HMA QC/QA, 4, 64, BASE 25.0 mm ON
  SUBGRADE TREATMENT TYPE 1A
- (R) HMA FOR RESURFACING
  165 #/SY HMA QC/QA, 4, 64, SURFACE 9.5 mm ON
  VARIABLE DEPTH HMA INTERMEDIATE, TYPE B
  (MIN. 110 #/SY, MAX. 330 #/SY) ON
  MILLING, SCARIFICATION/PROFILE
- (W) HMA FOR WIDENING
  165 #/SY HMA QC/QA, 4, 64, SURFACE 9.5 mm ON
  275 #/SY HMA QC/QA, 4, 64, INTERMED. 19.0 mm ON
  440 #/SY HMA QC/QA, 4, 64, BASE 25.0 mm ON
  SUBGRADE TREATMENT TYPE 1A
- (L) HMA FOR APPROACHES, TYPE B
  165 #/SY HMA SURFACE 9.5 mm ON
  275 #/SY HMA INTERMED. 19.0 mm ON
  440 #/SY HMA BASE 25.0 mm ON
  SUBGRADE TREATMENT TYPE 1A
- (13) CONCRETE CURB, 6"
- (15) CURB AND GUTTER, COMBINED, CONCRETE, MODIFIED
- (17) CURB AND GUTTER, CONCRETE, ROLL
- (26) SODDING, NURSERY
- (-) CURB RAMP, CONCRETE, TYPE "-"

TBM #3 - CHISELED 'X' IN EAST CURB OF MAPLECREST RD., @ NORTH END OF TAPER TO TURN LANE INTO OLD TOWNE PKWY. @ GEORGETOWN PLACE
STA. 20+87.5, 32.6' RT.(PR-1), ELEV=776.96

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CITY OF FORT WAYNE
MAPLECREST ROAD IMPROVEMENTS

PLAN & PROFILE
LINE PR-1

HORIZONTAL SCALE	
1" = 20'	
VERTICAL SCALE	
1" = 5'	
DESIGNATION	SHEETS
0500695	15 of 82
CONTRACT	PROJECT NUMBER
R-33886	0500695

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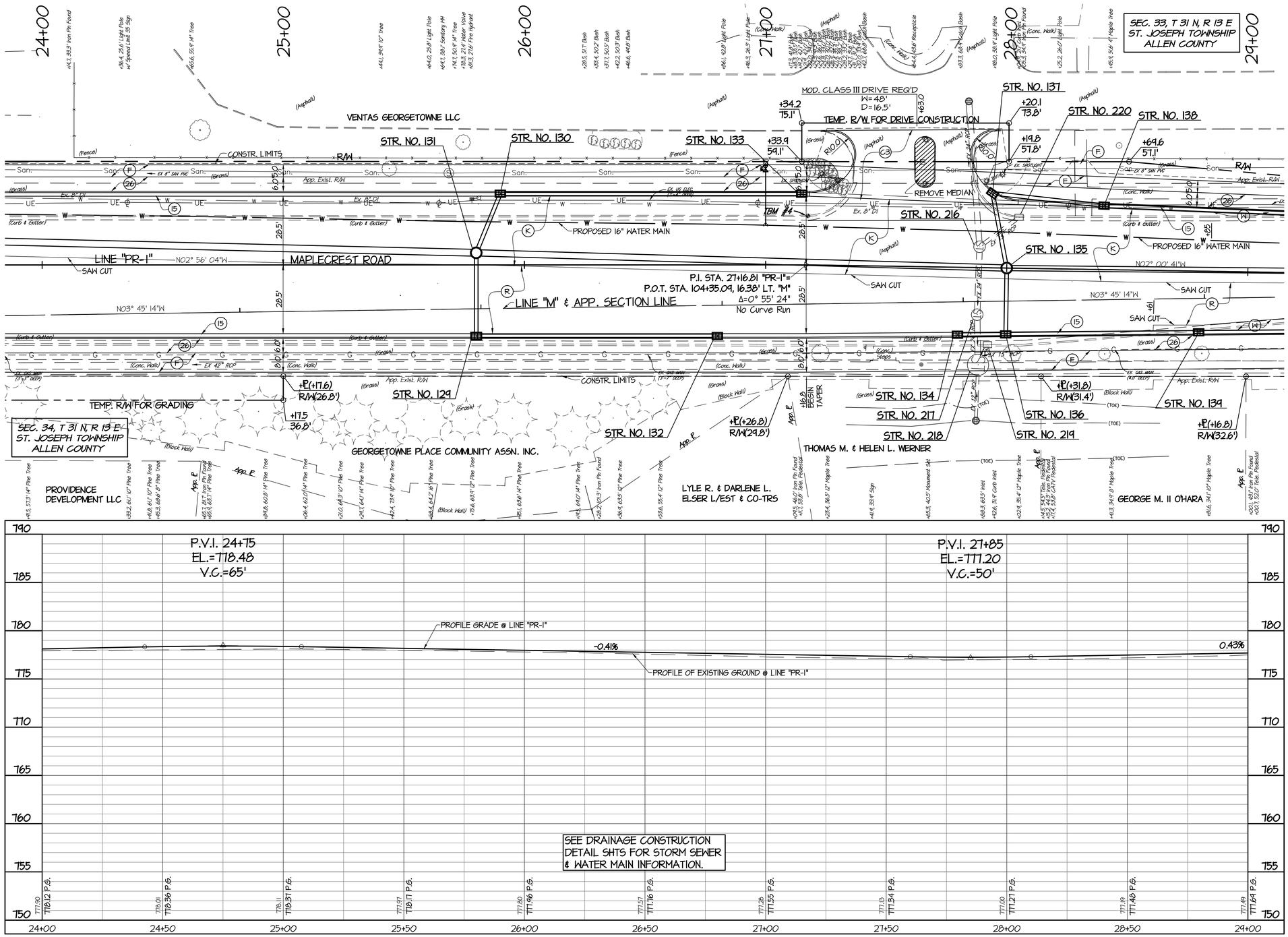

ALL R/W DESCRIBED FROM LINE "M"
EXCEPT AS SHOWN
LINE "PR-1" TO BE CONSTRUCTED

LEGEND

- (C3) PCCP FOR APPROACHES, 9 IN. ON SUBGRADE TREATMENT TYPE IIIA
- (F) SIDEWALK, CONCRETE, 4"
- (K) HMA FOR MAINLINE
  165 #/SY HMA QC/QA, 4, 64, SURFACE 9.5 mm ON
  275 #/SY HMA QC/QA, 4, 64, INTERMED. 19.0 mm ON
  440 #/SY HMA QC/QA, 4, 64, BASE 25.0 mm ON
  SUBGRADE TREATMENT TYPE IA
- (R) HMA FOR RESURFACING
  165 #/SY HMA QC/QA, 4, 64, SURFACE 9.5 mm ON
  VARIABLE DEPTH HMA INTERMEDIATE, TYPE B
  (MIN. 110 #/SY, MAX. 330 #/SY) ON
  MILLING, SCARIFICATION/PROFILE
- (W) HMA FOR WIDENING
  165 #/SY HMA QC/QA, 4, 64, SURFACE 9.5 mm ON
  275 #/SY HMA QC/QA, 4, 64, INTERMED. 19.0 mm ON
  440 #/SY HMA QC/QA, 4, 64, BASE 25.0 mm ON
  SUBGRADE TREATMENT TYPE IA
- (15) CURB AND GUTTER, COMBINED, CONCRETE, MODIFIED
- (26) SODDING, NURSERY

TBM #4 - CHISELED 'X' IN WEST CURB OF MAPLECREST RD., @ POINT OF SOUTH DRIVE TO GEORGETOWNE PLACE RETIREMENT COMMUNITY STA. 27+17.2, 20.3' LT.(PR-1), ELEV.=777.19

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CITY OF FORT WAYNE
MAPLECREST ROAD IMPROVEMENTS

PLAN & PROFILE
LINE PR-1

HORIZONTAL SCALE	
1" = 20'	
VERTICAL SCALE	
1" = 5'	
DESIGNATION	SHEETS
0500695	16 of 82
CONTRACT	PROJECT NUMBER
R-33886	0500695

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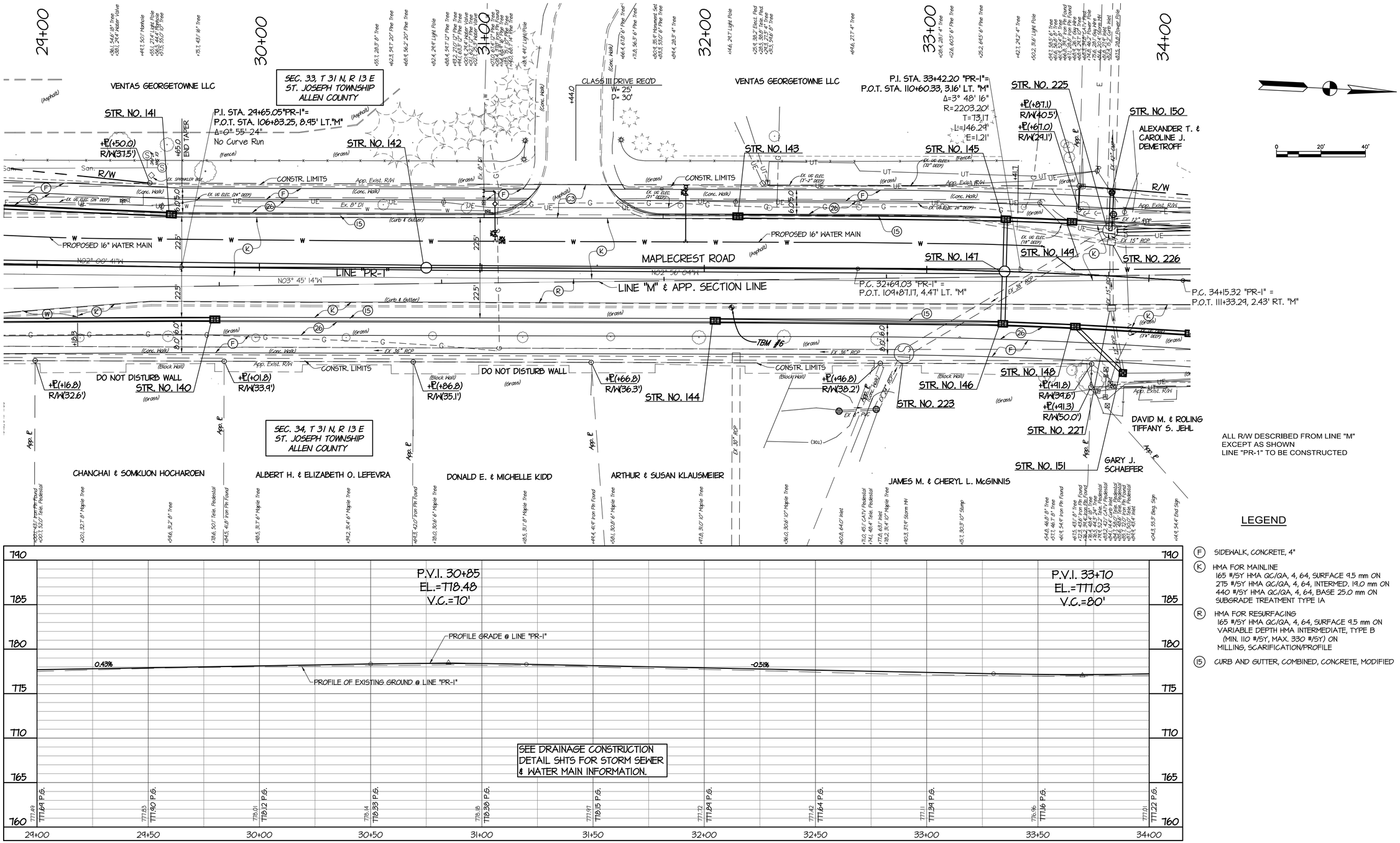

LEGEND

- (F) SIDEWALK, CONCRETE, 4"
- (K) HMA FOR MAINLINE
  165 #/SY HMA QC/QA, 4, 64, SURFACE 9.5 mm ON
  275 #/SY HMA QC/QA, 4, 64, INTERMED. 19.0 mm ON
  440 #/SY HMA QC/QA, 4, 64, BASE 25.0 mm ON
  SUBGRADE TREATMENT TYPE 1A
- (R) HMA FOR RESURFACING
  165 #/SY HMA QC/QA, 4, 64, SURFACE 9.5 mm ON
  VARIABLE DEPTH HMA INTERMEDIATE, TYPE B
  (MIN. 110 #/SY, MAX. 330 #/SY) ON
  MILLING, SCARIFICATION/PROFILE
- (15) CURB AND GUTTER, COMBINED, CONCRETE, MODIFIED

TBM #5 - CHISELED '.' ON SOUTH SIDE OF DRIVE TO THE COTTAGES OF GEORGETOWNE PLACE @ INTERSECTING SIDEWALKS, 100'± WEST OF MAPLECREST RD.

TBM #6 - CHISELED 'X' IN EAST CURB OF MAPLECREST RD., APPROX. 50'± NORTH OF THE ENTRANCE TO THE COTTAGES OF GEORGETOWNE PLACE.
STA. 32+12.3, 17.5' RT.(PR-1), ELEV.=T11.10

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MAPLECREST ROAD IMPROVEMENTS

PLAN & PROFILE
LINE PR-1

HORIZONTAL SCALE	
1" = 20'	
VERTICAL SCALE	
1" = 5'	

DESIGNATION	SHEETS
0500695	17 of 82
CONTRACT	PROJECT NUMBER
R-33886	0500695

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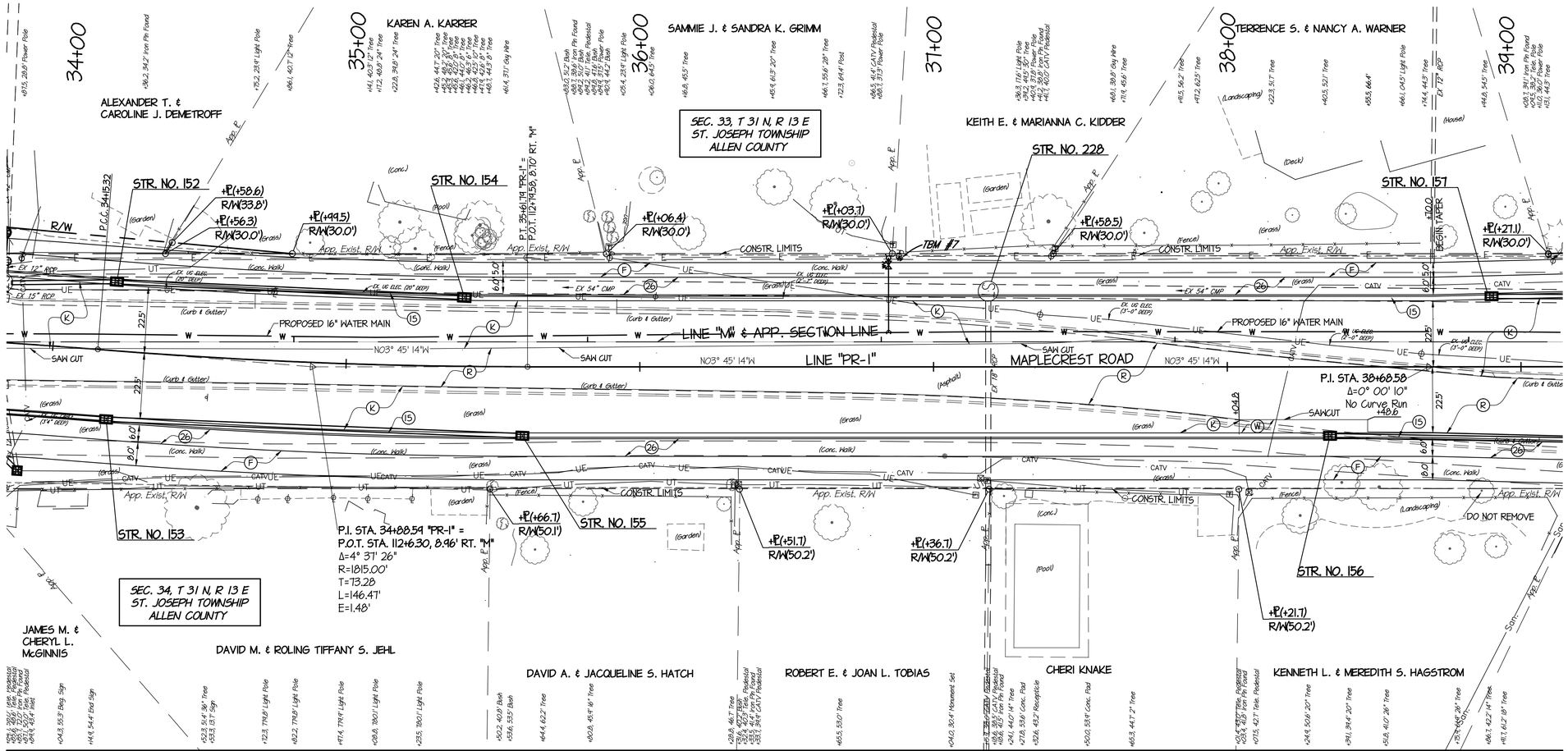

0 20' 40'

ALL R/W DESCRIBED FROM LINE "M" EXCEPT AS SHOWN
LINE "PR-1" TO BE CONSTRUCTED

LEGEND

(F) SIDEWALK, CONCRETE, 4"

(K) HMA FOR MAINLINE
165 #/SY HMA QC/QA, 4, 64, SURFACE 9.5 mm ON
275 #/SY HMA QC/QA, 4, 64, INTERMED. 19.0 mm ON
440 #/SY HMA QC/QA, 4, 64, BASE 25.0 mm ON
SUBGRADE TREATMENT TYPE IA

(R) HMA FOR RESURFACING
165 #/SY HMA QC/QA, 4, 64, SURFACE 9.5 mm ON
VARIABLE DEPTH HMA INTERMEDIATE, TYPE B
(MIN. 110 #/SY, MAX. 330 #/SY) ON
MILLING, SCARIFICATION/PROFILE

(W) HMA FOR WIDENING
165 #/SY HMA QC/QA, 4, 64, SURFACE 9.5 mm ON
275 #/SY HMA QC/QA, 4, 64, INTERMED. 19.0 mm ON
440 #/SY HMA QC/QA, 4, 64, BASE 25.0 mm ON
SUBGRADE TREATMENT TYPE IA

(15) CURB AND GUTTER, COMBINED, CONCRETE, MODIFIED

(26) SODDING, NURSERY

TBM #7 - RR SPIKE IN EAST SIDE OF PWP# A422-767 ON WEST SIDE OF MAPLECREST RD., STA. 36+88.7, 36.9' LT.(PR-1), ELEV.=719.35

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CITY OF FORT WAYNE
MAPLECREST ROAD IMPROVEMENTS

PLAN & PROFILE
LINE PR-1

HORIZONTAL SCALE	
1" = 20'	
VERTICAL SCALE	
1" = 5'	

DESIGNATION	SHEETS
0500695	18 of 82
CONTRACT	PROJECT NUMBER
R-33886	0500695

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DANE M. & KAREN M. WADE

STEVE J. & TAMARA K. FAUROTE

JILL WISTHOFF

ANNE MARIE NEUMANN

JAMES R. & TRICIA L. McINTYRE

JAMES B. II & NICOLE L. FULLER

ANNETTE CAFFREY

STEPHEN L. LUDLOW

JULIE A. & RICKY C. ALLEN

P.I. STA. 41+52.87"PR-1"=
P.O.T. STA. 112+79.58, 8.70' RT. "M"
Δ=0° 01' 54"
No Curve Run

SEC. 33, T 31 N, R 13 E
ST. JOSEPH TOWNSHIP
ALLEN COUNTY

SEC. 34, T 31 N, R 13 E
ST. JOSEPH TOWNSHIP
ALLEN COUNTY

LINE "M" & APP. SECTION LINE

LINE "PR-1"

MAPLECREST ROAD

CENTERTON DR.

PROPOSED 18" WATER MAIN

STR. NO. 158 · STR. NO. 159 · STR. NO. 160 · STR. NO. 161 · STR. NO. 162 · STR. NO. 163 · STR. NO. 164 · STR. NO. 164A · STR. NO. 164B · STR. NO. 165 · STR. NO. 166 · STR. NO. 167 · STR. NO. 229 · STR. NO. 230 · STR. NO. 231 · STR. NO. 233 · STR. NO. 234

TBM #8 = 1.5' RT.

P.I. STA. 43+92.93"PR-1"=
P.O.T. STA. 121+10.14, 8.17' RT. "M"
Δ=0° 47' 37"
No Curve Run

ALL R/W DESCRIBED FROM LINE "M"
EXCEPT AS SHOWN
LINE "PR-1" TO BE CONSTRUCTED

P.V.I. 41+35
EL.=T14.60
V.C.=115'

P.V.I. 42+85
EL.=T15.39
V.C.=50'

TOTAL RECONSTRUCTION STA. 40+00 to STA. 43+00

PROFILE GRADE @ LINE "PR-1"

PROFILE OF EXISTING GROUND @ LINE "PR-1"

-1.08% · 0.53% · -0.54%

T790 · T785 · T780 · T775 · T770 · T765 · T760

39+00 · 39+50 · 40+00 · 40+50 · 41+00 · 41+50 · 42+00 · 42+50 · 43+00 · 43+50 · 44+00

T776.80 T771.01 P.G. · T776.34 T776.50 P.G. · T775.86 T775.98 P.G. · T775.23 T775.41 P.G. · T774.53 T774.98 P.G. · T773.16 T774.80 P.G. · T774.16 T774.94 P.G. · T774.34 T775.21 P.G. · T774.46 T775.30 P.G. · T774.71 T775.04 P.G. · T774.62 T774.71 P.G.

SEE DRAINAGE CONSTRUCTION DETAIL SHTS FOR STORM SEWER & WATER MAIN INFORMATION.

TBM #8 - CHISELED 'X' IN NORTH RIM OF MH, WEST SIDE OF MAPLECREST RD. @ INTERSECTION W/ CENTERTON DR.
STA. 41+57.5, 22.0' LT.(PR-I), ELEV.=T14.26

LEGEND

- (C) PCCP FOR APPROACHES, 6 IN. ON SUBGRADE TREATMENT TYPE IIIA
- (F) SIDEWALK, CONCRETE, 4"
- (K) HMA FOR MAINLINE
  165 #/SY HMA QC/QA, 4, 64, SURFACE 9.5 mm ON
  275 #/SY HMA QC/QA, 4, 64, INTERMED. 19.0 mm ON
  440 #/SY HMA QC/QA, 4, 64, BASE 25.0 mm ON
  SUBGRADE TREATMENT TYPE IA
- (R) HMA FOR RESURFACING
  165 #/SY HMA QC/QA, 4, 64, SURFACE 9.5 mm ON
  VARIABLE DEPTH HMA INTERMEDIATE, TYPE B
  (MIN. 110 #/SY, MAX. 330 #/SY) ON
  MILLING, SCARIFICATION/PROFILE
- (L) HMA FOR APPROACHES, TYPE B
  165 #/SY HMA SURFACE 9.5 mm ON
  275 #/SY HMA INTERMED. 19.0 mm ON
  440 #/SY HMA BASE 25.0 mm ON
  SUBGRADE TREATMENT TYPE IA
- (15) CURB AND GUTTER, COMBINED, CONCRETE, MODIFIED
- (26) SODDING, NURSERY
- (-) CURB RAMP, CONCRETE, TYPE "-"

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CITY OF FORT WAYNE
MAPLECREST ROAD IMPROVEMENTS

PLAN & PROFILE
LINE PR-1

HORIZONTAL SCALE	1" = 20'
VERTICAL SCALE	1" = 5'

DESIGNATION	SHEETS
0500695	19 of 82
CONTRACT	PROJECT NUMBER
R-33886	0500695

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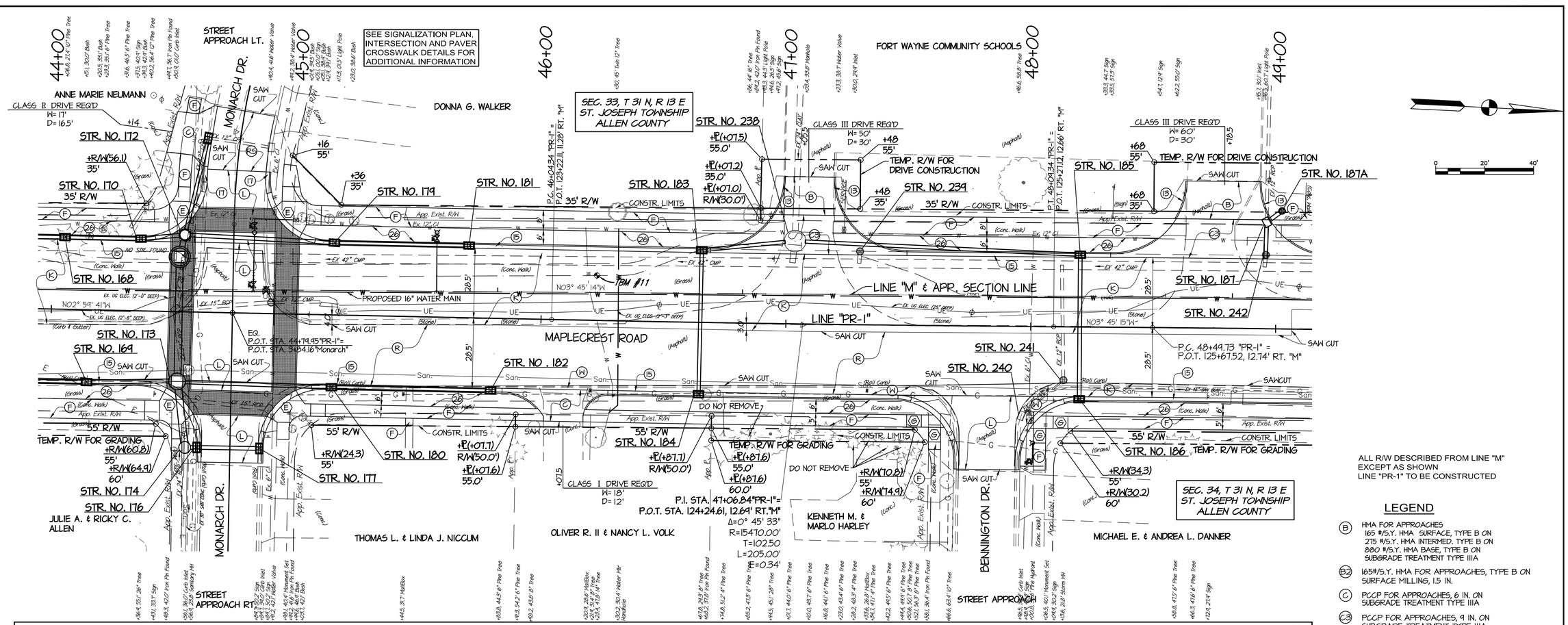

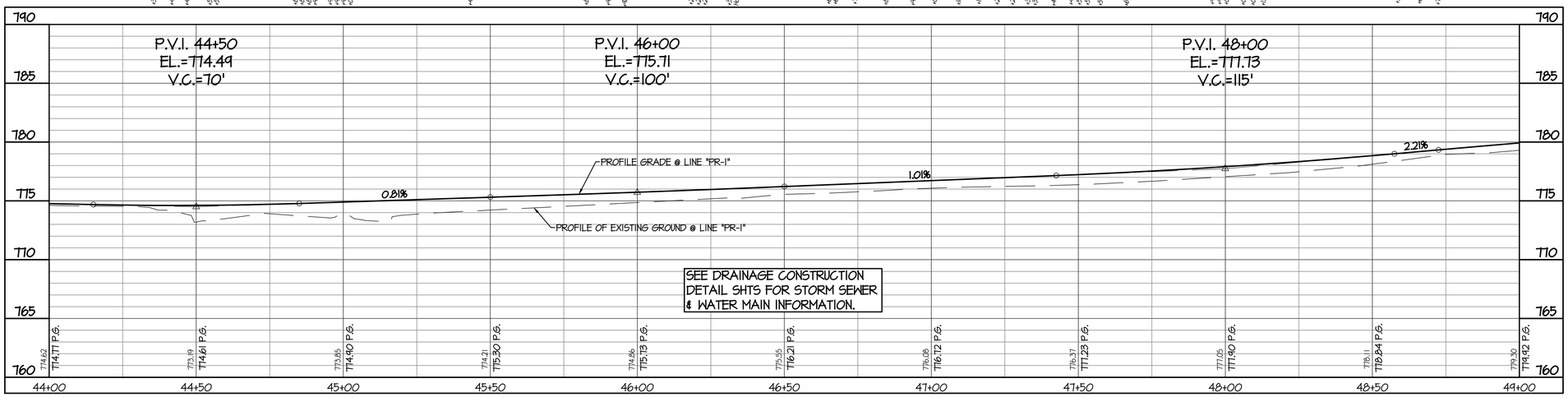

SEE DRAINAGE CONSTRUCTION DETAIL SHTS FOR STORM SEWER & WATER MAIN INFORMATION.

TBM #9 - WEST BONNET BOLT OF FIRE HYDRANT ON NORTH SIDE OF MONARCH DR., EAST OF MAPLECREST RD.
STA. 44+91.8, 171.9' RT.(PR-I), ELEV.=T16.81

TBM #10 - EAST BONNET BOLT OF FIRE HYDRANT ON NORTH SIDE OF MONARCH DR., WEST OF MAPLECREST RD.
STA. 45+17.5, 315.9' LT. (PR-I), ELEV.=T16.42

TBM #11 - CHISELED '|' ON EAST SIDE OF CONCRETE SIDEWALK ON WEST SIDE OF MAPLECREST RD.
STA. 46+22.4, 18.3 ' LT.(PR-I), ELEV.=T16.40

TBM #12 - CHISELED '|' IN CONCRETE SIDEWALK ON NORTH SIDE OF BENNINGTON DR., EAST OF MAPLECREST RD.
STA. 47+98.5, 315.1' RT.(PR-I), ELEV.=T15.63

ALL R/W DESCRIBED FROM LINE "M" EXCEPT AS SHOWN
LINE "PR-1" TO BE CONSTRUCTED

LEGEND

- (B) HMA FOR APPROACHES 165 #/S.Y. HMA SURFACE, TYPE B ON 275 #/S.Y. HMA INTERMED, TYPE B ON 880 #/S.Y. HMA BASE, TYPE B ON SUBGRADE TREATMENT TYPE IIIA
- (B2) 165#/S.Y. HMA FOR APPROACHES, TYPE B ON SURFACE MILLING, 1.5 IN.
- (C) PCCP FOR APPROACHES, 6 IN. ON SUBGRADE TREATMENT TYPE IIIA
- (C3) PCCP FOR APPROACHES, 9 IN. ON SUBGRADE TREATMENT TYPE IIIA
- (F) SIDEWALK, CONCRETE, 4"
- (K) HMA FOR MAINLINE 165 #/SY HMA QC/QA, 4, 64, SURFACE 9.5 mm ON 275 #/SY HMA QC/QA, 4, 64, INTERMED. 19.0 mm ON 440 #/SY HMA QC/QA, 4, 64, BASE 25.0 mm ON SUBGRADE TREATMENT TYPE IA
- (L) HMA FOR APPROACHES, TYPE B 165 #/SY HMA SURFACE 9.5 mm ON 275 #/SY HMA INTERMED. 19.0 mm ON 440 #/SY HMA BASE 25.0 mm ON SUBGRADE TREATMENT TYPE IA
- (R) HMA FOR RESURFACING 165 #/SY HMA QC/QA, 4, 64, SURFACE 9.5 mm ON VARIABLE DEPTH HMA INTERMEDIATE, TYPE B (MIN. 110 #/SY, MAX. 330 #/SY) ON MILLING, SCARIFICATION/PROFILE
- (RC) 165 #/SY HMA, TYPE C, SURFACE 9.5 mm ON SURFACE MILLING, ASPHALT 1½"
- (W) HMA FOR WIDENING 165 #/SY HMA QC/QA, 4, 64, SURFACE 9.5 mm ON 275 #/SY HMA QC/QA, 4, 64, INTERMED. 19.0 mm ON 440 #/SY HMA QC/QA, 4, 64, BASE 25.0 mm ON SUBGRADE TREATMENT TYPE IA
- (13) CONCRETE CURB, 6"
- (15) CURB AND GUTTER, COMBINED, CONCRETE, MODIFIED
- (17) CURB AND GUTTER, CONCRETE, ROLL
- (26) SODDING, NURSERY
- (<) CURB RAMP, CONCRETE, TYPE "-"

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CITY OF FORT WAYNE MAPLECREST ROAD IMPROVEMENTS

PLAN & PROFILE
LINE PR-1

HORIZONTAL SCALE	
1" = 20'	
VERTICAL SCALE	
1" = 5'	

DESIGNATION	SHEETS
0500695	20 of 82
CONTRACT	PROJECT NUMBER
R-33886	0500695

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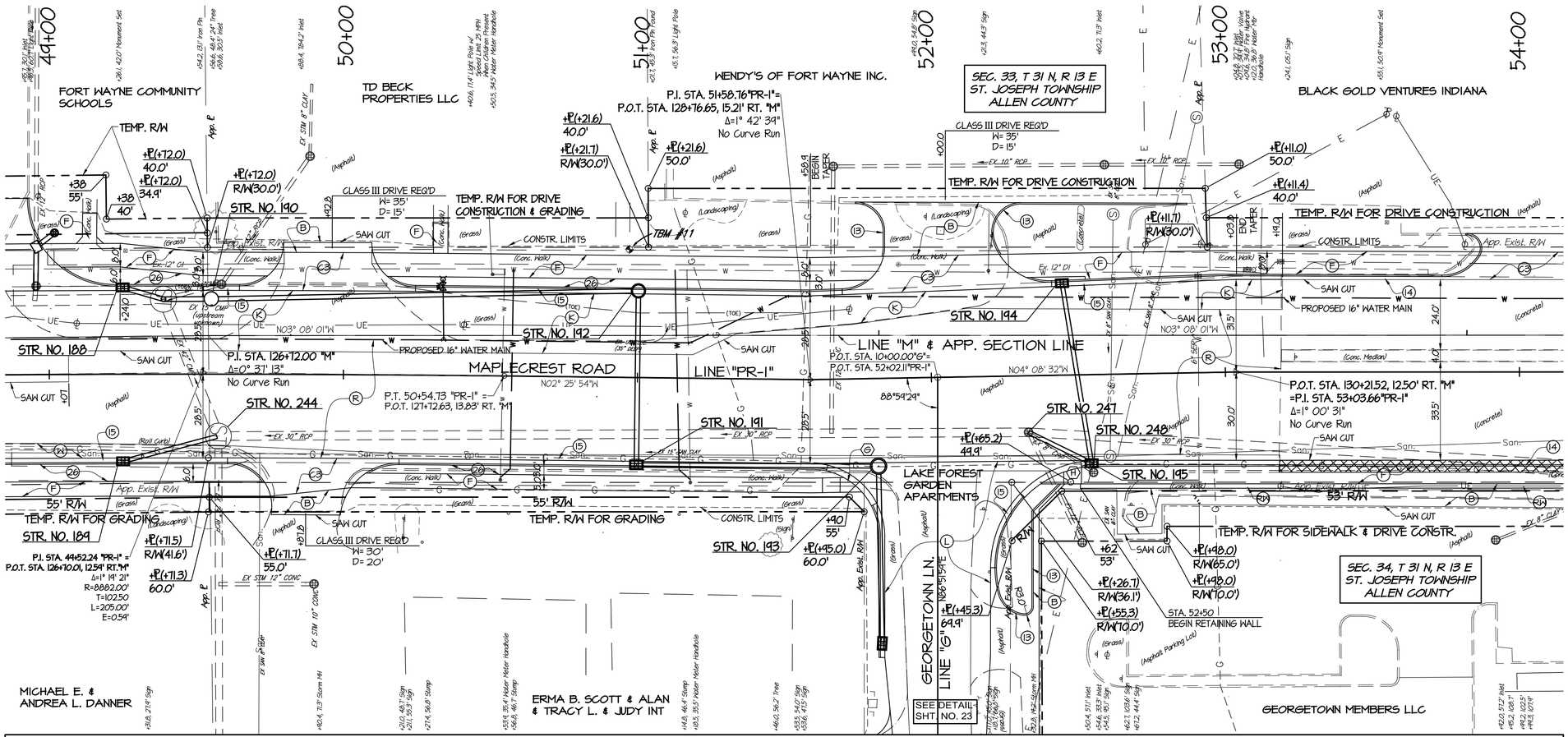

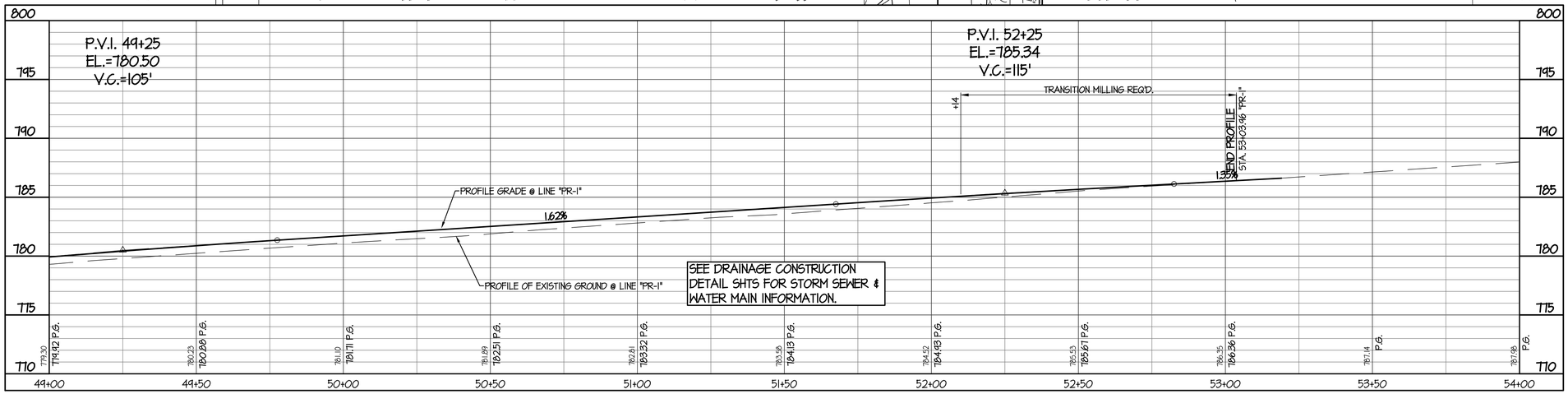

ALL R/W DESCRIBED FROM LINE "M" EXCEPT AS SHOWN
LINE "PR-1" TO BE CONSTRUCTED

LEGEND

- (B) HMA FOR APPROACHES
  165 #/S.Y. HMA SURFACE, TYPE B ON
  275 #/S.Y. HMA INTERMED. TYPE B ON
  880 #/S.Y. HMA BASE, TYPE B ON
  SUBGRADE TREATMENT TYPE IIIA
- (C3) PCCP FOR APPROACHES, 9 IN. ON
  SUBGRADE TREATMENT TYPE IIIA
- (F) SIDEWALK, CONCRETE, 4"
- (K) HMA FOR MAINLINE
  165 #/SY HMA SURFACE 9.5 mm ON
  275 #/SY HMA INTERMED. 19.0 mm ON
  440 #/SY HMA BASE 25.0 mm ON
  SUBGRADE TREATMENT TYPE IA
- (L) HMA FOR APPROACHES, TYPE B
  165 #/SY HMA SURFACE 9.5 mm ON
  275 #/SY HMA INTERMED. 19.0 mm ON
  440 #/SY HMA BASE 25.0 mm ON
  SUBGRADE TREATMENT TYPE IA
- (R) HMA FOR RESURFACING
  165 #/SY HMA QC/QA, 4, 64, SURFACE 9.5 mm ON
  VARIABLE DEPTH HMA INTERMEDIATE, TYPE B
  (MIN. 110 #/SY, MAX. 330 #/SY) ON
  MILLING, SCARIFICATION/PROFILE
- (W) HMA FOR WIDENING
  165 #/SY HMA QC/QA, 4, 64, SURFACE 9.5 mm ON
  275 #/SY HMA QC/QA, 4, 64, INTERMED. 19.0 mm ON
  440 #/SY HMA QC/QA, 4, 64, BASE 25.0 mm ON
  SUBGRADE TREATMENT TYPE IA
- (RW) MODULAR BLOCK WALL (SEE SHT. NO. 50)
- (13) CONCRETE CURB, 6"
- (14) CURB, INTEGRAL, CONCRETE
- (15) CURB AND GUTTER, COMBINED, CONCRETE, MODIFIED
- (26) SODDING, NURSERY
- CURB RAMP, CONCRETE, TYPE "-"
- PAVEMENT REMOVAL, CONCRETE

TBM #13 - CHISELED "+" ON NORTH SIDE OF E/W CONCRETE SIDEWALK TO NE CORNER OF MCVAN'S VIDEO
STA. 50+96.7, 43.5'LT.(PR-1) ELEV.=783.33

TBM #15 - CHISELED 'X' ON NE BOLT OF STRAIN POLE ON SOUTH SIDE OF E. STATE BLVD., APPROX. 10' WEST OF EAST DRIVE TO HALEY ELEM.
STA. 53+56.1, 370.1' LT.(PR-1), ELEV.=792.61

A&Z ENGINEERING LLC
9017 Coldwater Road, Suite 500
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260.485.7077
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DRAWN: JLS
CHECKED: AJO
CHECKED: AJO

CITY OF FORT WAYNE
MAPLECREST ROAD IMPROVEMENTS

PLAN & PROFILE
LINE PR-1

HORIZONTAL SCALE	
1" = 20'	
VERTICAL SCALE	
1" = 5'	
DESIGNATION	SHEETS
0500695	21 of 82
CONTRACT	PROJECT NUMBER
R-33886	0500695

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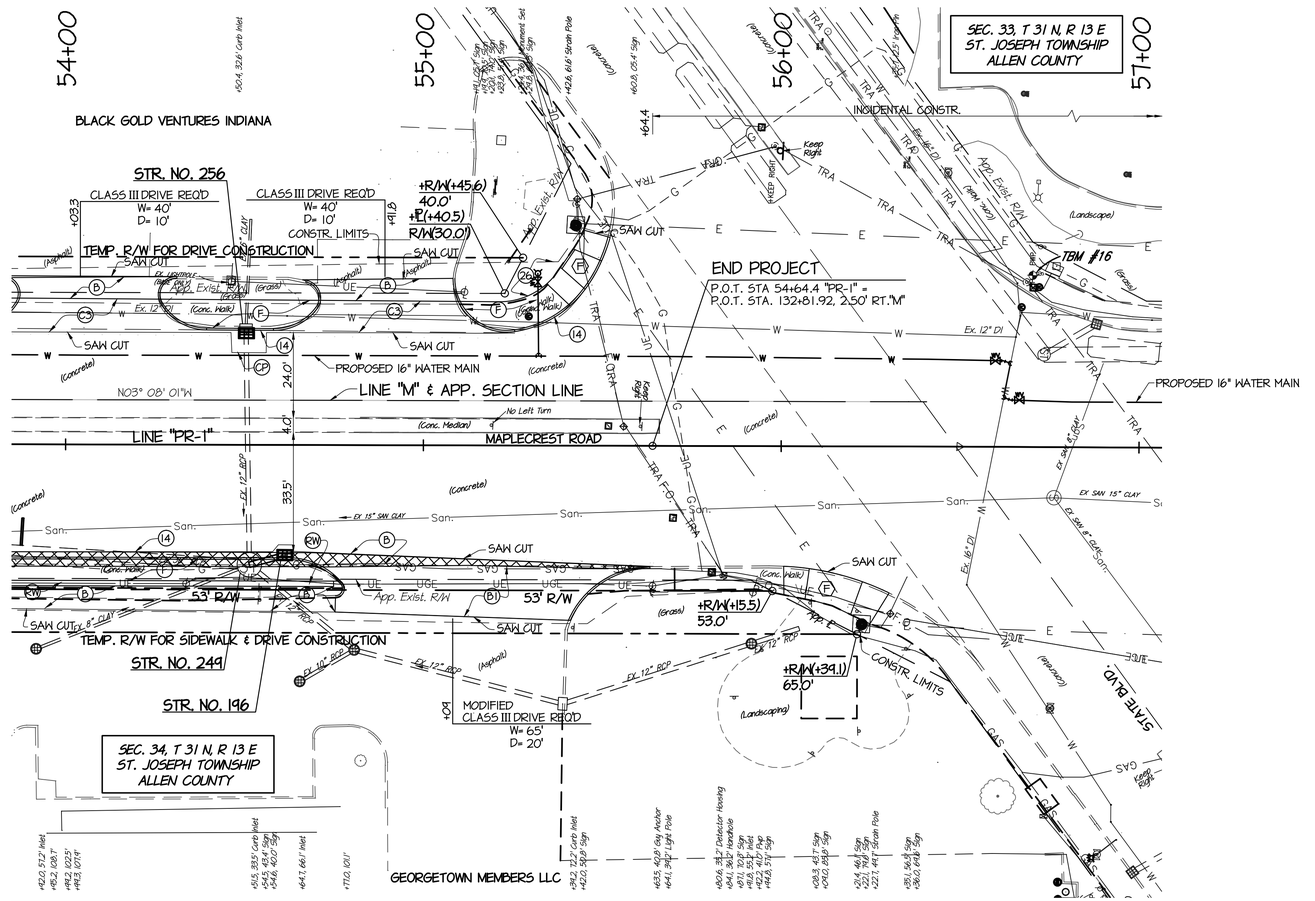

ALL R/W DESCRIBED FROM LINE "M"
EXCEPT AS SHOWN
LINE "PR-1" TO BE CONSTRUCTED

LEGEND

- (B) HMA FOR APPROACHES
  165 #/S.Y. HMA SURFACE, TYPE B ON
  275 #/S.Y. HMA INTERMED. TYPE B ON
  880 #/S.Y. HMA BASE, TYPE B ON
  SUBGRADE TREATMENT TYPE IIIA
- (B1) 165#/S.Y. HMA FOR APPROACHES, TYPE B ON EXISTING PAVEMENT
- (C3) PCCP FOR APPROACHES, 9 IN. ON SUBGRADE TREATMENT TYPE IIIA
- (F) SIDEWALK, CONCRETE, 4"
- (14) CURB, INTEGRAL, CONCRETE
- (-) CURB RAMP, CONCRETE, TYPE "-"
- PAVEMENT REMOVAL, CONCRETE
- (26) SODDING, NURSERY
- (RW) MODULAR BLOCK WALL (SEE SHT. NO. 50)
- (CP) PCCP FOR STRUCTURE INSTALLATION
  PCCP, 9" ON
  4" COARSE AGGREGATE NO. 8 ON
  6' COMPACTED AGGREGATE NO. 53

TBM #14 - CHISELED 'X' ON NW BOLT OF STRAIN POLE ON SOUTH SIDE OF MAPLECREST RD. IN FRONT OF GEORGETOWN THEATERS SIGN STA. 54+13.1, 422.1' RT.(PR-1), ELEV.=794.07

TBM #16 - CHISELED '-' ON SW CORNER OF CONCRETE STRAIN POLE BASE @ NORTHWEST CORNER OF MAPLECREST RD. & E. STATE. BLVD. STA. 56+70.1, 47.9' LT.(PR-1), ELEV.=791.29

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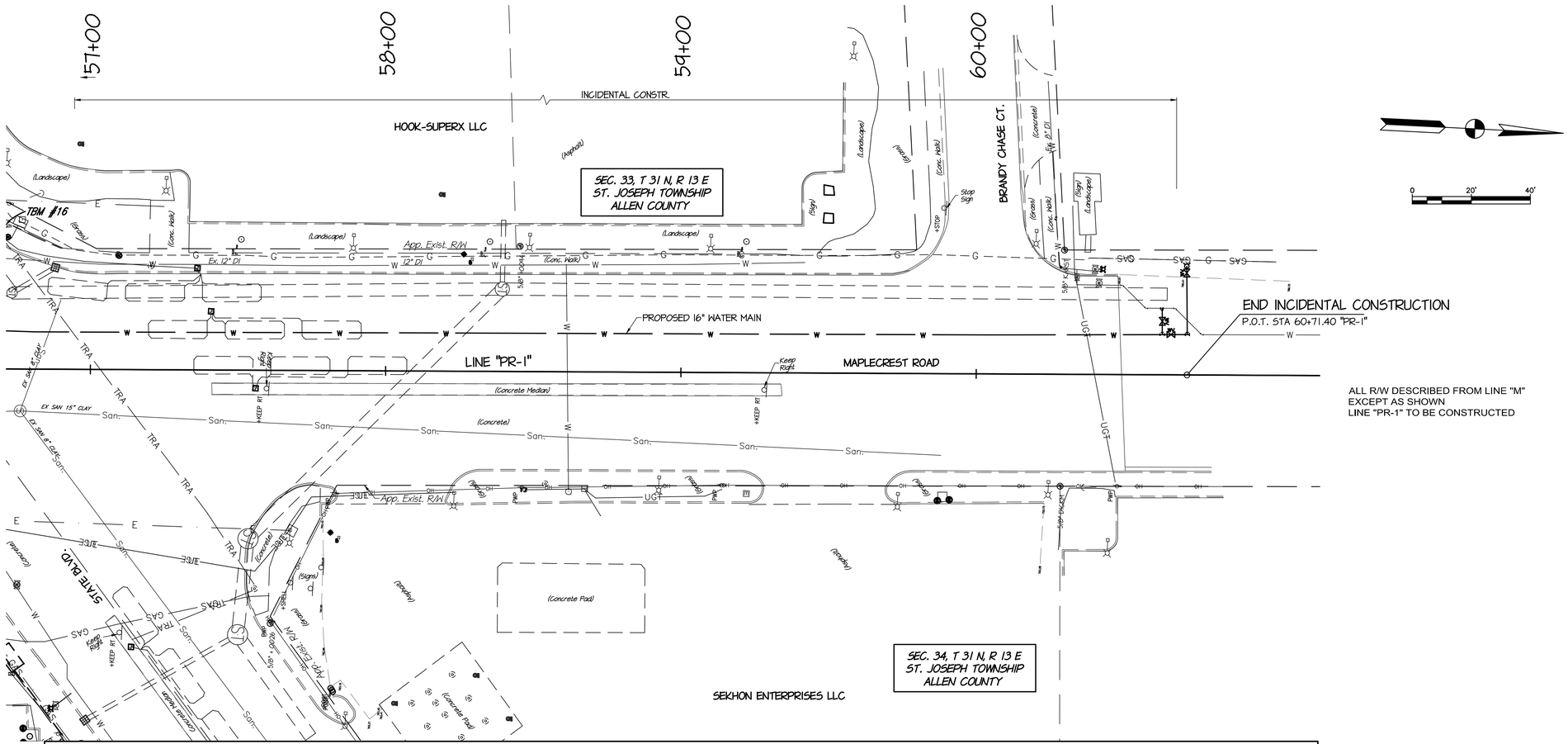
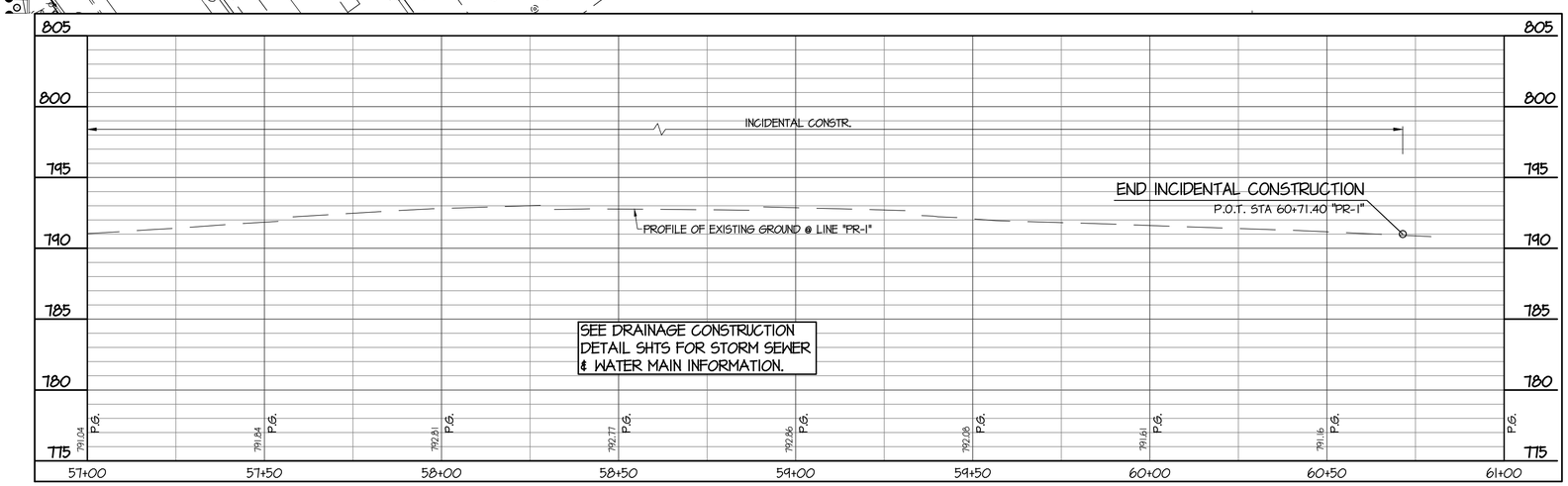
CITY OF FORT WAYNE
MAPLECREST ROAD IMPROVEMENTS

PLAN & PROFILE
LINE PR-1

HORIZONTAL SCALE	1" = 20'
VERTICAL SCALE	1" = 5'
DESIGNATION	0500695
SHEETS	22 of 82
CONTRACT	R-33886
PROJECT NUMBER	0500695

S:\2009 Projects\09-192 Fort Wayne - Maplecrest Road\CAD\22 PP 54+00 - 57+00.dwg ---- 2/28/2013 3:54 PM ---- WesDowning





TBM #16 - CHISELED 'I' ON SW CORNER OF CONCRETE STRAIN POLE BASE @ NORTHWEST CORNER OF MAPLECREST RD. & E. STATE. BLVD. STA. 56+70.1, 47.9' LT.(PR-1), ELEV.=791.29

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CITY OF FORT WAYNE
MAPLECREST ROAD IMPROVEMENTS

PLAN & PROFILE
LINE PR-1

HORIZONTAL SCALE	
1" = 20'	
VERTICAL SCALE	
1" = 5'	
DESIGNATION	SHEETS
0500695	23 of 82
CONTRACT	PROJECT NUMBER
R-33886	0500695

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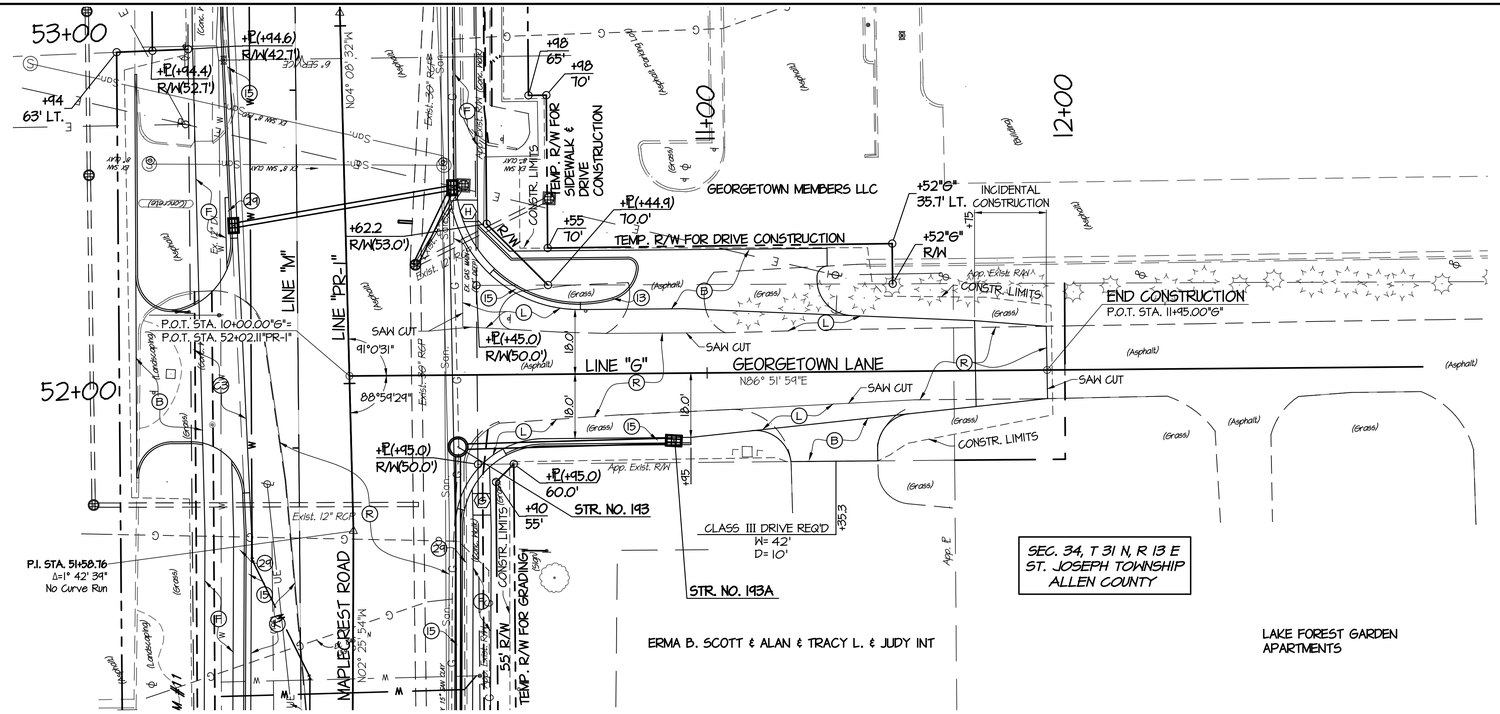

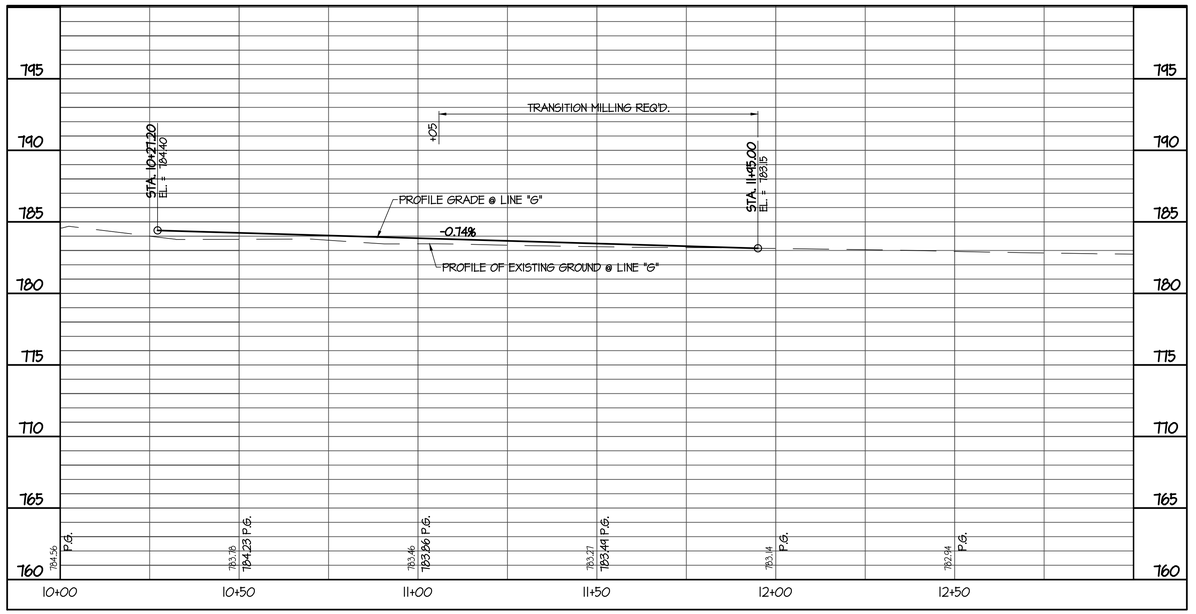

ALL R/W DESCRIBED FROM LINE "M"
EXCEPT AS SHOWN
LINE "PR-1" TO BE CONSTRUCTED

LEGEND

- (B) HMA FOR APPROACHES
  165 #/S.Y. HMA SURFACE, TYPE B ON
  275 #/S.Y. HMA INTERMED. TYPE B ON
  880 #/S.Y. HMA BASE, TYPE B ON
  SUBGRADE TREATMENT TYPE IIIA
- (C) PCCP FOR APPROACHES, 6 IN. ON
  SUBGRADE TREATMENT TYPE IIIA
- (23) PCCP FOR APPROACHES, 9 IN. ON
  SUBGRADE TREATMENT TYPE IIIA
- (F) SIDEWALK, CONCRETE, 4"
- (K) HMA FOR MAINLINE
  165 #/SY HMA QC/QA, 4, 64, SURFACE 9.5 mm ON
  275 #/SY HMA QC/QA, 4, 64, INTERMED. 19.0 mm ON
  440 #/SY HMA QC/QA, 4, 64, BASE 25.0 mm ON
  SUBGRADE TREATMENT TYPE IA
- (R) HMA FOR RESURFACING
  165 #/SY HMA QC/QA, 4, 64, SURFACE 9.5 mm ON
  VARIABLE DEPTH HMA INTERMEDIATE, TYPE B
  (MIN. 110 #/SY, MAX. 330 #/SY) ON
  MILLING, SCARIFICATION/PROFILE
- (W) HMA FOR WIDENING
  165 #/SY HMA QC/QA, 4, 64, SURFACE 9.5 mm ON
  275 #/SY HMA QC/QA, 4, 64, INTERMED. 19.0 mm ON
  440 #/SY HMA QC/QA, 4, 64, BASE 25.0 mm ON
  SUBGRADE TREATMENT TYPE IA
- (L) HMA FOR APPROACHES, TYPE B
  165 #/SY HMA SURFACE 9.5 mm ON
  275 #/SY HMA INTERMED. 19.0 mm ON
  440 #/SY HMA BASE 25.0 mm ON
  SUBGRADE TREATMENT TYPE IA
- (13) CONCRETE CURB, 6"
- (15) CURB AND GUTTER, COMBINED, CONCRETE, MODIFIED
- (24) MULCHED SEEDING, TYPE U
- (-) CURB RAMP, CONCRETE, TYPE "-"

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CITY OF FORT WAYNE
MAPLECREST ROAD IMPROVEMENTS

PLAN & PROFILE
LINE "G"

HORIZONTAL SCALE	
1" = 20'	
VERTICAL SCALE	
1" = 5'	

DESIGNATION	SHEETS		
0500695	24	of	82
CONTRACT	PROJECT NUMBER		
R-33886	0500695		

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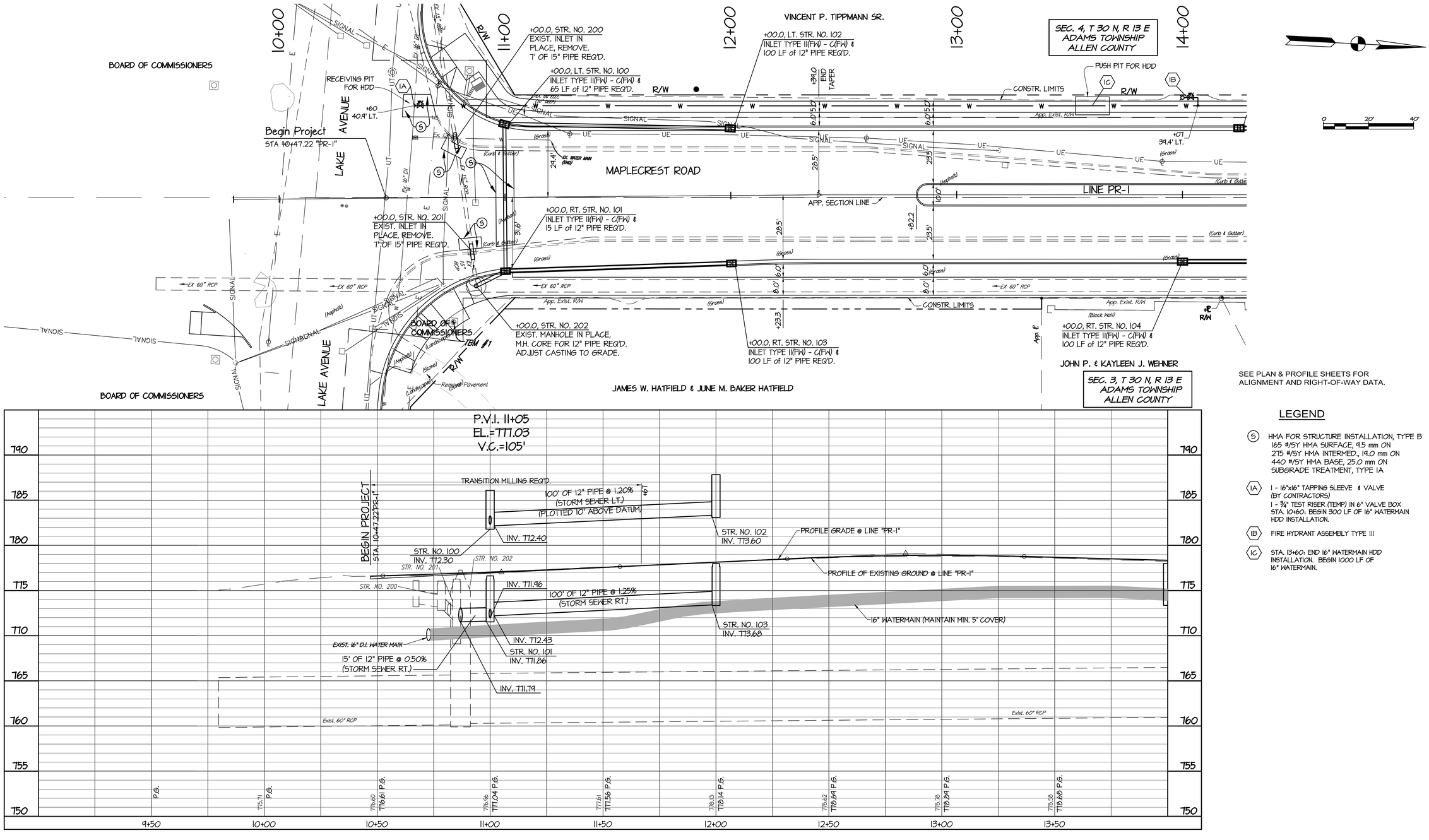

SEE PLAN & PROFILE SHEETS FOR ALIGNMENT AND RIGHT-OF-WAY DATA.

LEGEND

- (S) HMA FOR STRUCTURE INSTALLATION, TYPE B
  165 #/SY HMA SURFACE, 9.5 mm ON
  275 #/SY HMA INTERMED., 19.0 mm ON
  440 #/SY HMA BASE, 25.0 mm ON
  SUBGRADE TREATMENT, TYPE 1A
- (1A) 1 - 16"x16" TAPPING SLEEVE & VALVE (BY CONTRACTORS)
  1 - 3/4" TEST RISER (TEMP) IN 6" VALVE BOX
  STA. 10+60: BEGIN 300 LF OF 16" WATERMAIN HDD INSTALLATION.
- (1B) FIRE HYDRANT ASSEMBLY TYPE III
- (1C) STA. 13+60: END 16" WATERMAIN HDD INSTALLATION. BEGIN 1000 LF OF 16" WATERMAIN.

TBM #1 - CHISELED 'X' ON W. BOLT OF STRAND POLE ON NE CORNER OF MAPLECREST RD. & LAKE AVE.
STA. 10+76.8', 55.2' RT.(PR-1), ELEV.=778.25

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CHECKED: CH CHECKED: JC

CITY OF FORT WAYNE
MAPLECREST ROAD IMPROVEMENTS

DRAINAGE AND WATER MAIN PLAN & PROFILE LINE PR-1

HORIZONTAL SCALE	
1" = 20'	
VERTICAL SCALE	
1" = 5'	
DESIGNATION	SHEETS
0500695	25 of 82
CONTRACT	PROJECT NUMBER
R-33886	0500695

S:\2009 Projects\09-192 Fort Wayne - Maplecrest Road\CAD\FROM B & N\DD 9+00 - 14+00.dwg --- 2/27/2013 7:34 PM --- WesDowning

SEC. 4, T 30 N, R 13 E
ADAMS TOWNSHIP
ALLEN COUNTY

SEC. 3, T 30 N, R 13 E
ADAMS TOWNSHIP
ALLEN COUNTY

14+00 15+00 16+00 17+00 18+00 19+00

VINCENT P. TIPPMANN SR.

+25.0, LT. STR. NO. 105
INLET TYPE II(FW) - C(FW) &
100 LF of 12" PIPE REQ'D.

+25.0, LT. STR. NO. 107
INLET TYPE II(FW) - C(FW) &
65 LF of 12" PIPE REQ'D.

+90.0, 10' LT. STR. NO. 109
M.H. TYPE I(FW) - A(FW) &
34 LF of 24" PIPE REQ'D.

+90.0, LT. STR. NO. 108
INLET TYPE II(FW) - C(FW) &
20 LF of 12" PIPE REQ'D.

+99, STR. NO. 205
EXIST. INLET IN PLACE,
REMOVE AND PLUG PIPE.

+75.0, LT. STR. NO. 112
INLET TYPE II(FW) - C(FW) &
85 LF of 12" PIPE REQ'D.

(Farm Field)

+75.0, LT. STR. NO. 113
INLET TYPE II(FW) - C(FW) &
100 LF of 12" PIPE REQ'D.

+80.0, 10' LT. STR. NO. 115
M.H. TYPE I(FW) - A(FW) &
240 LF of 24" PIPE REQ'D.

CONSTR. LIMITS
R/W
CONSTR. LIMITS
R/W

+07
39.4' LT.

+07
39.2' LT.

TBM #2

MAPLECREST ROAD

LINE PR-1

(Grass) (Curb & Gutter) (Asphalt) (Curb & Gutter) (Grass)

Exist. 60" RCP

App. Exist. R/W

CONSTR. LIMITS

+00.0, RT. STR. NO. 106
INLET TYPE II(FW) - C(FW) &
90 LF of 12" PIPE REQ'D.

+90, STR. NO. 203
EXIST. MANHOLE IN PLACE.
ADJUST CASTING TO GRADE.
CORE M.H. FOR 24" PIPE
REQ'D.

+93, STR. NO. 204
EXIST. INLET IN PLACE.
NO CHANGE REQ'D.

+00, STR. NO. 206
EXIST. INLET IN PLACE,
REMOVE INLET & PIPE (E),
PLUG PIPE (N)

+90.1, RT. STR. NO. 110
INLET TYPE II(FW) - C(FW) &
6 LF of 24" PIPE REQ'D.

+60.0, RT. STR. NO. 111
INLET TYPE II(FW) - C(FW) &
70 LF of 12" PIPE REQ'D.

+75.0, RT. STR. NO. 114
INLET TYPE II(FW) - C(FW) &
115 LF of 12" PIPE REQ'D.

(Block Wall)

App. P.

JOHN P. & KAYLEEN J. WEHNER | JOSEPH H. & PHYLLIS J. FRIEDLEY | WILLIAM R. & JEAN A. WHITE | WAVA P. DUCKWORTH | ROBERT J. & BONDA TUTWILER | DONALD J. & VIRGINIA T. WULPI

P.V.I. 15+90
EL.=771.08
V.C.=115'

P.V.I. 18+90
EL.=778.43
V.C.=75'

20' OF 12" PIPE @ 0.50% (STORM SEWER LT.)
(10' ABOVE DATUM)

100' OF 12" PIPE @ 0.65% (STORM SEWER LT.)
(10' ABOVE DATUM)

65' OF 12" PIPE @ 0.75%
(STORM SEWER LT.)
(10' ABOVE DATUM)

85' OF 12" PIPE @ 0.44%
(STORM SEWER LT.)
(10' ABOVE DATUM)

100' OF 12" PIPE @ 0.50% (STORM SEWER LT.)
(10' ABOVE DATUM)

STR. NO. 105
INV. 773.68

INV. 773.03

STR. NO. 107
INV. 772.93

INV. 772.44

INV. 772.44

STR. NO. 108
INV. 772.34

INV. 772.91

STR. NO. 112
INV. 772.81

STR. NO. 113
INV. 773.41

STR. NO. 203

STR. NO. 204

STR. NO. 205

STR. NO. 206

INV. 772.24

PROFILE GRADE @ LINE "PR-1"

PROFILE OF EXISTING GROUND @ LINE "PR-1"

16" WATERMAIN (MAINTAIN MIN. 5' COVER)

STR. NO. 109
INV. 761.92

INV. 762.02

34' OF 24" PIPE @ 0.30% (STORM SEWER RT.)
(15' BELOW DATUM)

240' OF 24" PIPE @ 0.40% (STORM SEWER LT.)

Exist. 60" RCP

Exist. 60" RCP

100' OF 12" PIPE @ 0.70% (STORM SEWER RT.)
(15' BELOW DATUM)

STR. NO. 104
INV. 773.85

INV. 773.15

90' OF 12" PIPE @ 0.78% (STORM SEWER RT.)
(15' BELOW DATUM)

STR. NO. 106
INV. 773.05

INV. 772.35

INV. 772.44

70' OF 12" PIPE @ 0.43%
(STORM SEWER RT.)
(15' BELOW DATUM)

INV. 772.84

115' OF 12" PIPE @ 0.50% (STORM SEWER RT.)
(15' BELOW DATUM)

STR. NO. 111
INV. 772.74

STR. NO. 114
INV. 773.41

STR. NO. 115
INV. 762.84

INV. 762.99

295' OF 24" PIPE @ 0.30% (STORM SEWER LT.)

6' OF 24" PIPE @ 1.61% (STORM SEWER RT.) (15
BELOW DATUM)

STR. NO. 110
INV. 761.80

14+00	14+50	15+00	15+50	16+00	16+50	17+00	17+50	18+00	18+50	19+00
785										
780										
775										
770										
765										
760										
755										
750										
745	778.22 P.G. 778.54 P.G.	777.93 778.01 P.G.	777.45 778.68 P.G.	777.21 777.38 P.G.	776.99 777.23 P.G.	777.13 777.35 P.G.	777.54 777.51 P.G.	777.54 777.80 P.G.	777.13 778.02 P.G.	777.94 778.25 P.G.	778.10 778.33 P.G.

SEE PLAN & PROFILE SHEETS FOR
ALIGNMENT AND RIGHT-OF-WAY DATA.

LEGEND

(S) HMA FOR STRUCTURE INSTALLATION, TYPE B
165 #/SY HMA SURFACE, 9.5 mm ON
275 #/SY HMA INTERMED., 19.0 mm ON
440 #/SY HMA BASE, 25.0 mm ON
SUBGRADE TREATMENT, TYPE IA

(2A) FIRE HYDRANT ASSEMBLY TYPE III

0 20' 40'

TBM #2 - CHISELED 'X' IN WEST CURB OF MAPLECREST RD., 38.7' NORTH
SOUTHBOUND TURN LANE TAPER
STA. 14+51.4, 8.9' LT.(PR-1), ELEV.=779.14

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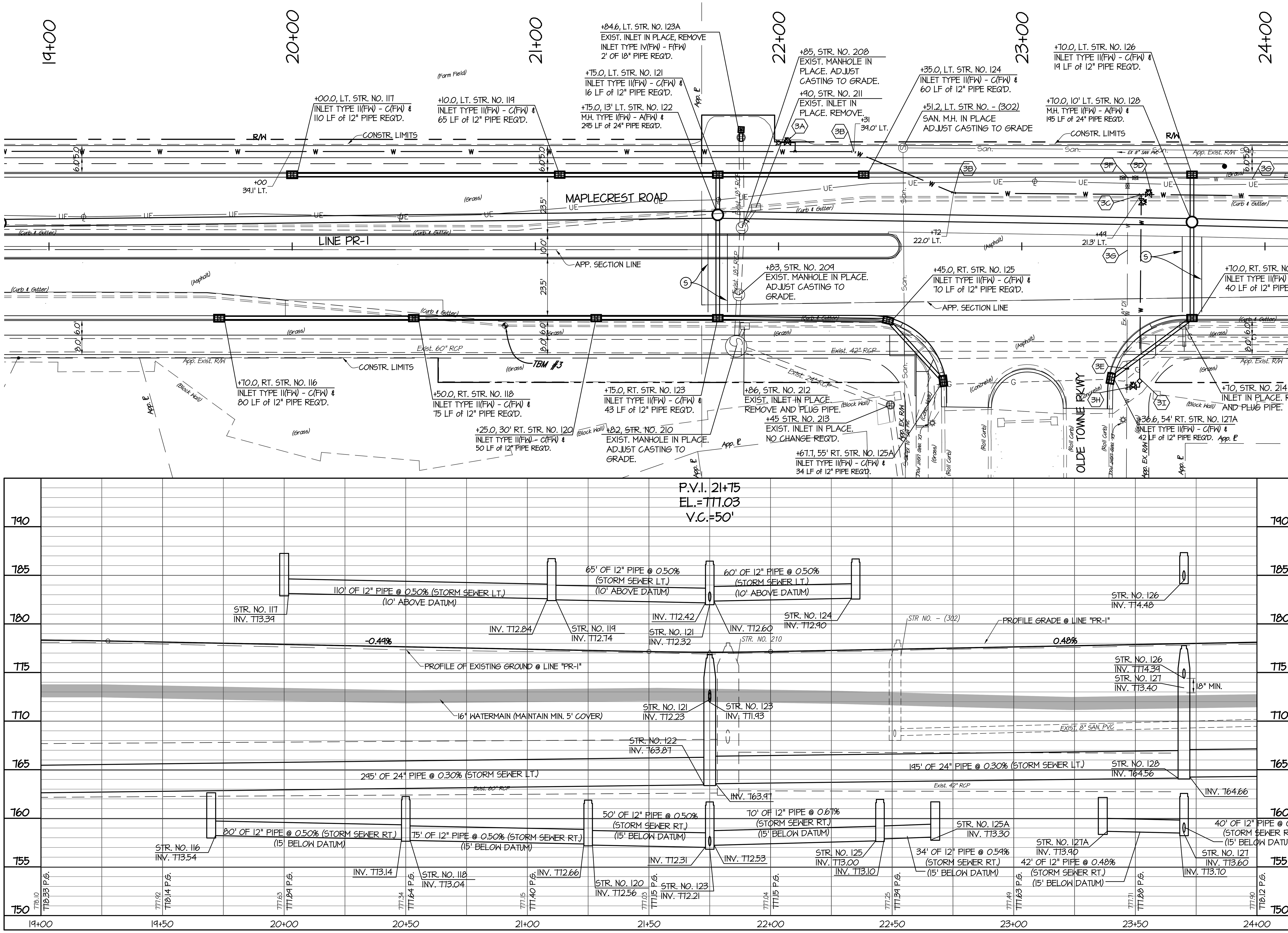
CHECKED: CH
CHECKED: JC

CITY OF FORT WAYNE
MAPLECREST ROAD IMPROVEMENTS

DRAINAGE AND WATER MAIN
PLAN & PROFILE
LINE PR-1

HORIZONTAL SCALE	
1" = 20'	
VERTICAL SCALE	
1" = 5'	
DESIGNATION	SHEETS
0500695	26 of 82
CONTRACT	PROJECT NUMBER
R-33886	0500695

S:\2009 Projects\09-192 Fort Wayne - Maplecrest Road\CAD\FROM B & NIDD 14+00 - 19+00.dwg ---- 2/22/2013 11:47 AM ---- PaulHoward



SEE PLAN & PROFILE SHEETS FOR ALIGNMENT AND RIGHT-OF-WAY DATA.

LEGEND

- (S) HMA FOR STRUCTURE INSTALLATION, TYPE B
  165 #/SY HMA SURFACE, 9.5 mm ON
  275 #/SY HMA INTERMED., 19.0 mm ON
  440 #/SY HMA BASE, 25.0 mm ON
  SUBGRADE TREATMENT, TYPE IA
- (3A) FIRE HYDRANT ASSEMBLY TYPE III
- (3B) 2 - 16" 22.5° ELBOW
- (3C) 1 - 16" x 8" TEE
  1 - 8" GATE VALVE
  2 - 8" 45° ELBOW
  85 LF OF 8" WATERMAIN
- (3D) 1 - 16" GATE VALVE
  750 LF OF 16" WATERMAIN
- (3E) CUT & PLUG
- (3F) 3 - REMOVE VALVE BOX
- (3G) ABANDON 8" WATERMAIN
- (3H) 1 - 8" x 8" TAPPING SLEEVE & VALVE (BY W.M.S.)
  1 - 8" 90° ELBOW
  1 - ¾" TEST RISER (TEMP.)
  1 - 8" PLUG WITH 2" TEMP. BLOW OFF ASSEMBLY FOR P.T. & D.
- (3I) 5' TO 8' OPENING. UPON SUCCESSFUL COMPLETION OF P.T. & D., REMOVE RISER, PLUG & BLOW-OFF AND CONNECT TO 8" TAPPING SLEEVE & VALVE.

TBM #3 - CHISELED 'X' IN EAST CURB OF MAPLECREST RD., @ NORTH END OF TAPER TO TURN LANE INTO OLD TOWNE PKWY. @ GEORGETO PLACE

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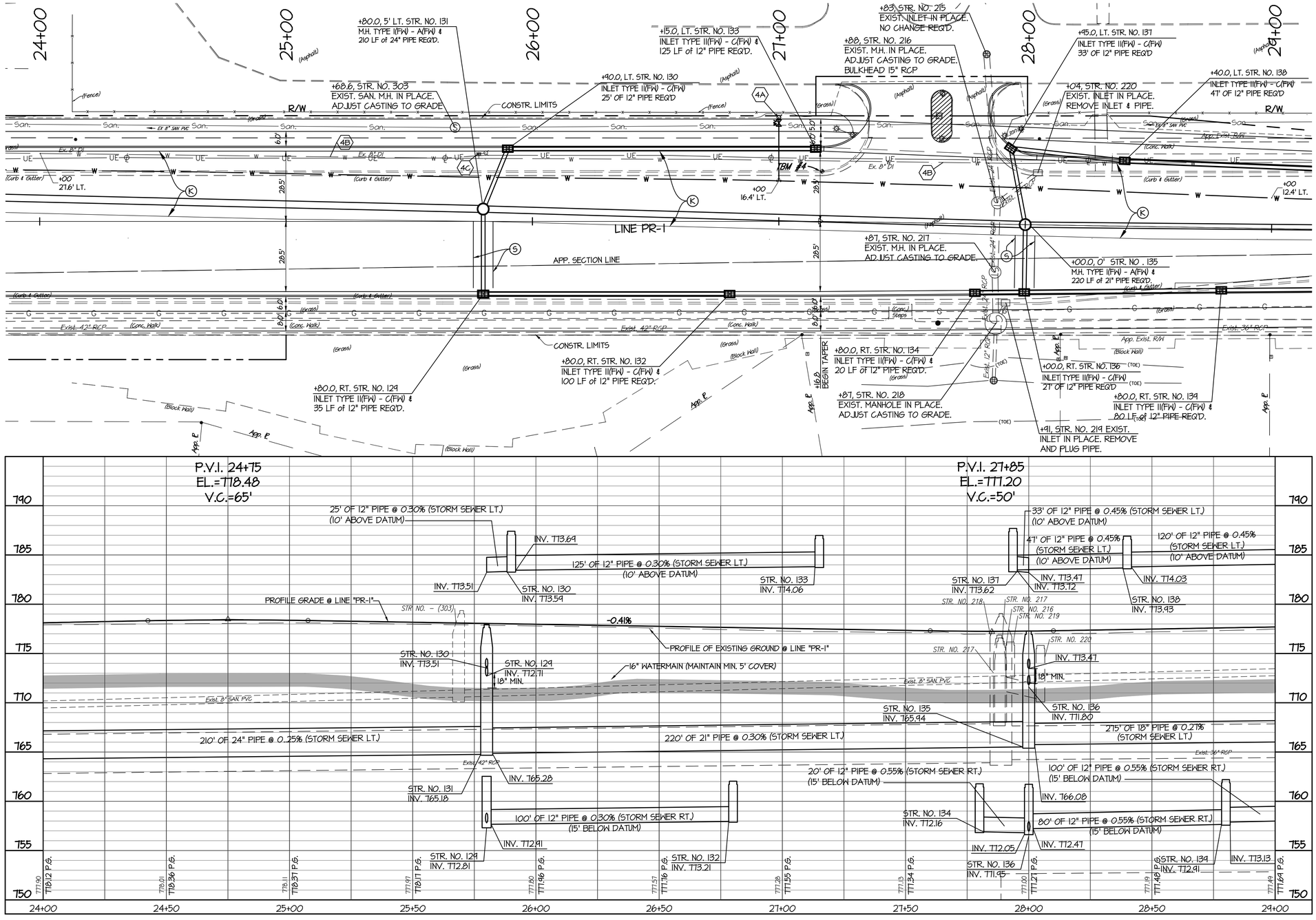
DESIGNED:	EC	DRAWN:	BD
CHECKED:	CH	CHECKED:	JC

CITY OF FORT WAYNE
MAPLECREST ROAD IMPROVEMENTS

DRAINAGE AND WATER MAIN
PLAN & PROFILE
LINE PR-1

HORIZONTAL SCALE	
1' = 20'	
VERTICAL SCALE	
1" = 5'	
DESIGNATION	SHEETS
0500695	27 of 82
CONTRACT	PROJECT NUMBER
R-33886	0500695

S:\2009 Projects\09-192 Fort Wayne - Maplecrest Road\CAD\FROM B & N\DD 19+00 - 24+00.dwg ---- 2/27/2013 7:27 PM ---- WesDowning



TBM #4 - CHISELED 'X' IN WEST CURB OF MAPLECREST RD., @ POINT OF SOUTH DRIVE TO GEORGETOWNE PLACE RETIREMENT COMMUNITY STA. 21+17.2, 20.3' LT.(PR-1), ELEV.=T11.19

SEE PLAN & PROFILE SHEETS FOR ALIGNMENT AND RIGHT-OF-WAY DATA.

LEGEND

- (S) HMA FOR STRUCTURE INSTALLATION, TYPE B
  165 #/SY HMA SURFACE, 9.5 mm ON
  275 #/SY HMA INTERMED., 19.0 mm ON
  440 #/SY HMA BASE, 25.0 mm ON
  SUBGRADE TREATMENT, TYPE IA
- (4A) FIRE HYDRANT ASSEMBLY TYPE I
  26 LF OF 6" WATERMAIN
- (4B) ABANDON 8" WATERMAIN
- (4C) 1 - REMOVE FIRE HYDRANT & PLUG
  1 - REMOVE VALVE BOX

A&Z ENGINEERING LLC
9017 Coldwater Road, Suite 500
Fort Wayne, IN 46825
260.485.7077
www.az-engineering.net

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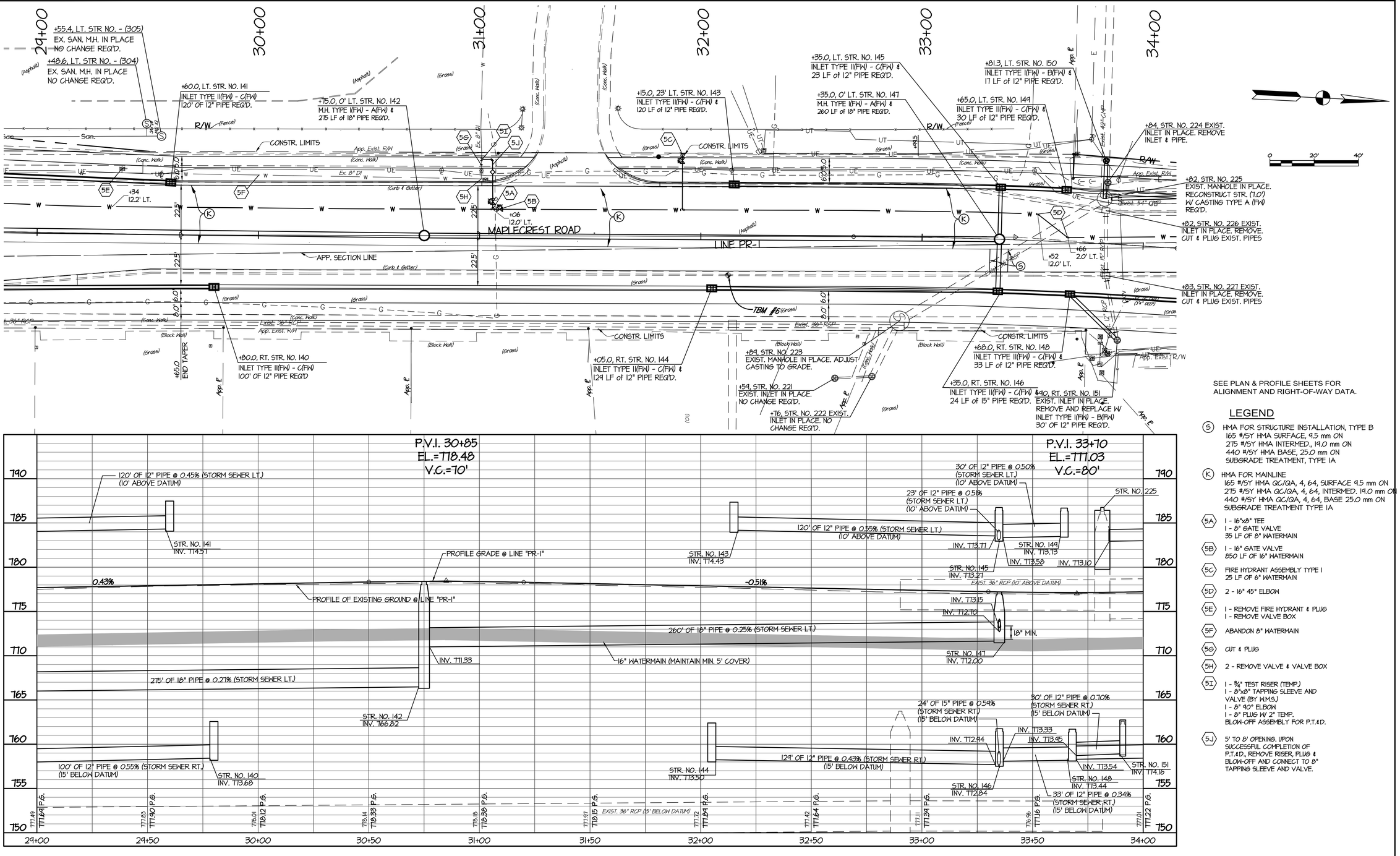
DESIGNED: DC DRAWN: BD
CHECKED: CH CHECKED: JC

CITY OF FORT WAYNE
MAPLECREST ROAD IMPROVEMENTS

DRAINAGE AND WATER MAIN PLAN & PROFILE LINE PR-1

HORIZONTAL SCALE	
1" = 20'	
VERTICAL SCALE	
1" = 5'	
DESIGNATION	SHEETS
0500695	28 of 82
CONTRACT	PROJECT NUMBER
R-33886	0500695

S:\2009 Projects\09-192 Fort Wayne - Maplecrest Road\CAD\FROM B & N\DD 24+00 - 29+00.dwg --- 2/27/2013 7:28 PM --- WesDowning



SEE PLAN & PROFILE SHEETS FOR ALIGNMENT AND RIGHT-OF-WAY DATA.

LEGEND

- (S) HMA FOR STRUCTURE INSTALLATION, TYPE B
  165 #/SY HMA SURFACE, 9.5 mm ON
  275 #/SY HMA INTERMED., 19.0 mm ON
  440 #/SY HMA BASE, 25.0 mm ON
  SUBGRADE TREATMENT, TYPE IA
- (K) HMA FOR MAINLINE
  165 #/SY HMA QC/QA, 4, 64, SURFACE 9.5 mm ON
  275 #/SY HMA QC/QA, 4, 64, INTERMED. 19.0 mm ON
  440 #/SY HMA QC/QA, 4, 64, BASE 25.0 mm ON
  SUBGRADE TREATMENT TYPE IA
- (5A) 1 - 16"x8" TEE
  1 - 8" GATE VALVE
  35 LF OF 8" WATERMAIN
- (5B) 1 - 16" GATE VALVE
  850 LF OF 16" WATERMAIN
- (5C) FIRE HYDRANT ASSEMBLY TYPE I
  25 LF OF 6" WATERMAIN
- (5D) 2 - 16" 45° ELBOW
- (5E) 1 - REMOVE FIRE HYDRANT & PLUG
  1 - REMOVE VALVE BOX
- (5F) ABANDON 8" WATERMAIN
- (5G) CUT & PLUG
- (5H) 2 - REMOVE VALVE & VALVE BOX
- (5I) 1 - ¾" TEST RISER (TEMP.)
  1 - 8"x8" TAPPING SLEEVE AND VALVE (BY KMS.)
  1 - 8" 90° ELBOW
  1 - 8" PLUG W/ 2" TEMP.
  BLOW-OFF ASSEMBLY FOR P.T.&D.
- (5J) 5' TO 8' OPENING. UPON SUCCESSFUL COMPLETION OF P.T.&D., REMOVE RISER, PLUG & BLOW-OFF AND CONNECT TO 8" TAPPING SLEEVE AND VALVE.

TBM #6 - CHISELED 'X' IN EAST CURB OF MAPLECREST RD., APPROX. 50'± NORTH OF THE ENTRANCE TO THE COTTAGES OF GEORGETOWNE PLACE.

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DESIGNED: BD
DRAWN: BD
CHECKED: CH
CHECKED: JC

CITY OF FORT WAYNE
MAPLECREST ROAD IMPROVEMENTS

DRAINAGE AND WATER MAIN PLAN & PROFILE LINE PR-1

HORIZONTAL SCALE	
1" = 20'	
VERTICAL SCALE	
1" = 5'	

DESIGNATION	SHEETS
0500695	29 of 82
CONTRACT	PROJECT NUMBER
R-33886	0500695

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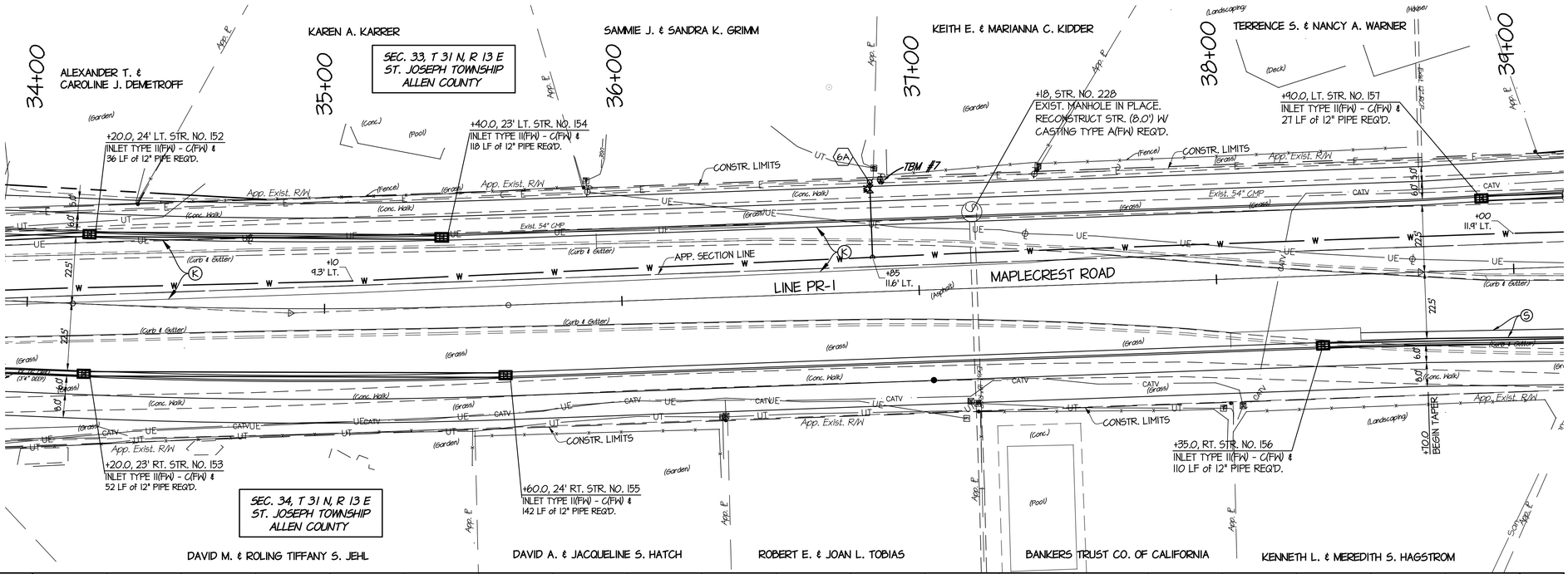

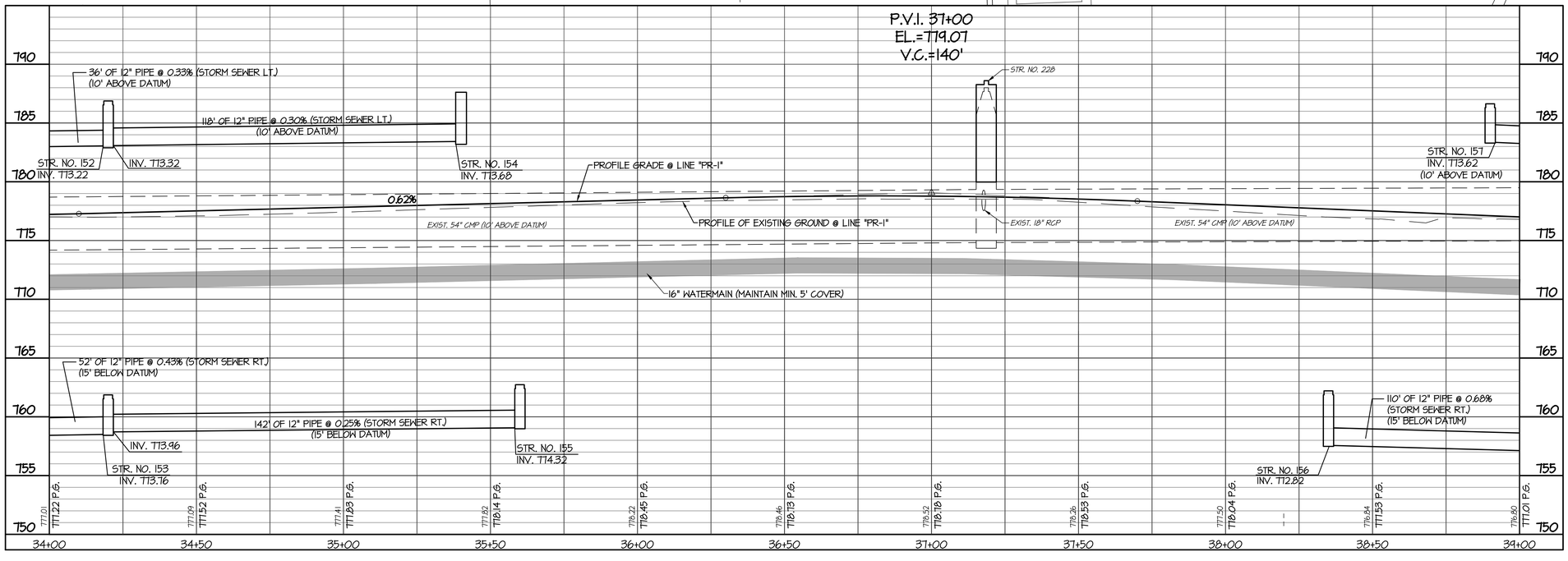

SEE PLAN & PROFILE SHEETS FOR ALIGNMENT AND RIGHT-OF-WAY DATA.

LEGEND

(S) HMA FOR STRUCTURE INSTALLATION, TYPE B
165 #/SY HMA SURFACE, 9.5 mm ON
275 #/SY HMA INTERMED., 19.0 mm ON
440 #/SY HMA BASE, 25.0 mm ON
SUBGRADE TREATMENT, TYPE 1A

(6A) 1 - FIRE HYDRANT ASSEMBLY TYPE I
25 LF OF 6" WATERMAIN

TBM #7 - RR SPIKE IN EAST SIDE OF PWP# A422-767 ON WEST SIDE OF MAPLECREST RD., STA. 36+88.7, 36.9' LT.(PR-1), ELEV.=719.35

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DESIGN ENGINEER DATE

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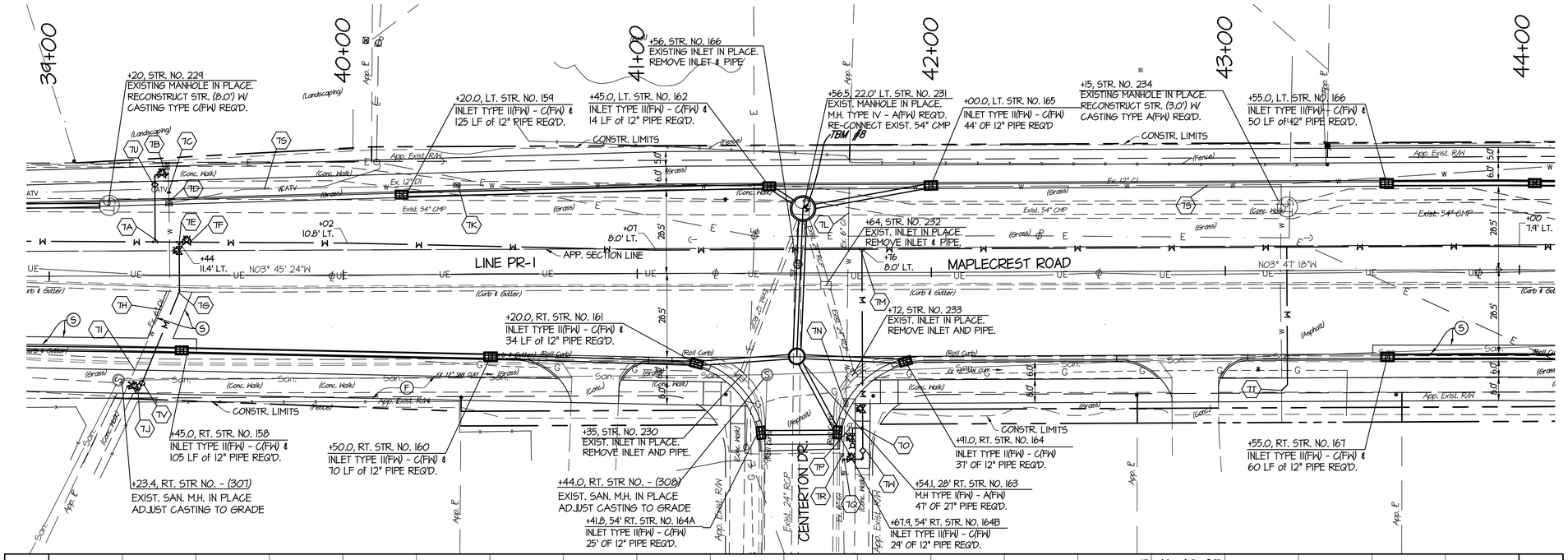
DRAWN: BD
CHECKED: CH
CHECKED: JC

CITY OF FORT WAYNE
MAPLECREST ROAD IMPROVEMENTS

DRAINAGE AND WATER MAIN PLAN & PROFILE LINE PR-1

HORIZONTAL SCALE	
1" = 20'	
VERTICAL SCALE	
1" = 5'	
DESIGNATION	SHEETS
0500695	30 of 82
CONTRACT	PROJECT NUMBER
R-33886	0500695

S:\2009 Projects\09-192 Fort Wayne - Maplecrest Road\CAD\FROM B & NDD 34+00 - 39+00.dwg ---- 2/27/2013 7:30 PM ---- WesDowning



SEE PLAN & PROFILE SHEETS FOR ALIGNMENT AND RIGHT-OF-WAY DATA.

LEGEND

- (S) HMA FOR STRUCTURE INSTALLATION, TYPE B
  165 #/SY HMA SURFACE, 9.5 mm ON
  275 #/SY HMA INTERMED., 19.0 mm ON
  440 #/SY HMA BASE, 25.0 mm ON
  SUBGRADE TREATMENT, TYPE IA
- (7A) 1 - 16" x 12" TEE
  25 LF OF 12" WATERMAIN
- (7B) 1 - 12"x12" TAPPING SLEEVE & VALVE (BY W.M.S.)
  1 - 12" 90° ELBOW
  1 - ¾" TEST RISER (TEMP.)
  1 - 12" PLUG W/ 2" BLOW-OFF ASSEMBLY
  FOR P.T. & D.
- (7C) CUT & PLUG
- (7D) 1 - REMOVE VALVE BOX
- (7E) 1 - 16" x 6" TEE
  1 - 6" GATE VALVE
  55 LF OF 6" WATERMAIN
- (7F) 1 - 16" GATE VALVE
  540 LF OF 16" WATERMAIN
- (7G) 1 - 6" 22.5° ELBOW
- (7H) ABANDON 6" WATERMAIN
- (7I) CUT & PLUG
- (7J) 1 - 6"x6" TAPPING SLEEVE & VALVE (BY W.M.S.)
  1 - 6" 90° ELBOW
  1 - ¾" TEST RISER (TEMP.)
  1 - 6" PLUG W/ 2" TEMP. BLOW-OFF ASSEMBLY
  FOR P.T.&D.
- (7K) 1 - REMOVE VALVE BOX
- (7L) ABANDON 6" WATERMAIN
- (7M) 1 - 16" x 6" TEE
  1 - 6" GATE VALVE
  1 - ¾" TEST RISER (TEMP.)
  1 - 6" VALVE BOX
  75 LF OF 6" WATERMAIN
- (7N) 1 - REMOVE VALVE BOX
- (7O) FIRE HYDRANT ASSEMBLY TYPE III
- (7P) 1 - REMOVE FIRE HYDRANT & PLUG
  1 - REMOVE VALVE BOX
- (7Q) 1 - 6"x6" TAPPING SLEEVE & VALVE (BY W.M.S.)
  1 - 6" 90° ELBOW
  1 - ¾" TEST RISER (TEMP.)
  1 - 6" PLUG W/ 2" TEMP. BLOW-OFF ASSEMBLY
  FOR P.T.&D.
- (7R) CUT & PLUG
- (7S) ABANDON 12" WATERMAIN
- (7T) WATER SERVICE TRANSFER, 1" HDPE
- (7U) 5' TO 8' OPENING. UPON SUCCESSFUL COMPLETION OF P.T. & D., REMOVE RISER, PLUG, & BLOW-OFF. CONNECT TO 12" TAPPING SLEEVE & VALVE.
- (7V) 5' TO 8' OPENING. UPON SUCCESSFUL COMPLETION OF P.T. & D., REMOVE RISER, PLUG, & BLOW-OFF. CONNECT TO 6" TAPPING SLEEVE & VALVE.
- (7W) 5' TO 8' OPENING. UPON SUCCESSFUL COMPLETION OF P.T. & D., REMOVE RISER, PLUG, & BLOW-OFF. CONNECT TO 6" TAPPING SLEEVE & VALVE.

TBM #8 - CHISELED 'X' IN NORTH RIM OF MH, WEST SIDE OF MAPLECREST RD. @ INTERSECTION W/ CENTERTON DR.
STA. 41+57.5, 22.0' LT.(PR-1), ELEV.=774.26

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ACCEPTED: _____ DATE _____
DRAWN: BD
CHECKED: CH
CHECKED: JC

CITY OF FORT WAYNE
MAPLECREST ROAD IMPROVEMENTS

DRAINAGE AND WATER MAIN PLAN & PROFILE LINE PR-1

HORIZONTAL SCALE	
1" = 20'	
VERTICAL SCALE	
1" = 5'	

DESIGNATION	SHEETS
0500695	31 of 82
CONTRACT	PROJECT NUMBER
R-33886	0500695

S:\2009 Projects\09-192 Fort Wayne - Maplecrest Road\CAD\FROM B & N\DD 39+00 - 44+00.dwg ---- 2/27/2013 7:29 PM ---- WesDowning

+53.9, 31' LT. STR. NO. 172
M.H. TYPE I(FW) - A(FW) &
9 LF of 18" PIPE REQ'D.

+52.0, 22' LT. STR. NO. 171
M.H. TYPE IV(FW) - A(FW)
CONNECT EXIST. PIPES

+36.0, LT. STR. NO. 170
INLET TYPE II(FW) - C(FW) &
18 LF of 12" PIPE REQ'D.

+05.0, LT. STR. NO. 168
INLET TYPE II(FW) - C(FW) &
31 LF of 12" PIPE REQ'D.

+62.6, LT. STR. NO. 175
EXIST. INLET IN PLACE
REMOVE INLET & PIPE
INLET TYPE II(FW) - C(FW)
40' OF 12" PIPE REQ'D.

+84, STR. NO. 237
EXIST. INLET IN PLACE.
REMOVE AND PLUG PIPE.

+15.0, LT. STR. NO. 179
INLET TYPE II(FW) - C(FW) &
61 LF of 12" PIPE REQ'D.

+70.0, LT. STR. NO. 181
INLET TYPE II(FW) - C(FW) &
55 LF of 12" PIPE REQ'D.

+65.2, LT. STR. NO. 183
INLET TYPE II(FW) - C(FW) &
38 LF of 12" PIPE REQ'D.

+03, STR. NO. 238
EXIST. MANHOLE IN PLACE.
RECONSTRUCT STR., (2.5') W
CASTING TYPE C(FW) REQ'D.

+29, STR. NO. 239
EXIST. INLET IN PLACE.
REMOVE AND PLUG PIPE.

+20.0, LT. STR. NO. 185
INLET TYPE II(FW) - C(FW) &
117 LF of 12" PIPE REQ'D.

+02.0, 48' LT. STR. NO. 187A
INLET TYPE I(FW) - B(FW) &
8 LF of 12" PIPE REQ'D.

+95.8, 43' LT. STR. NO. 187
INLET TYPE II(FW) - C(FW) &
15 LF of 12" PIPE REQ'D.

+52, 05.5' RT. STR. NO. 235
EXIST. INLET IN PLACE.
REMOVE INLET & PIPES

+87, 9.9' LT.

+56.8, STR. NO. 310
EXIST. SAN. M.H. IN PLACE.
ADJUST CASTING REQ'D.

+51.9, 28' RT. STR. NO. 173
M.H. TYPE I(FW) - A(FW) &
48 LF of 24" PIPE REQ'D.

+15.0, RT. STR. NO. 169
INLET TYPE II(FW) - C(FW) &
34 LF of 12" PIPE REQ'D.

+55, STR. NO. 176
EXIST. INLET IN PLACE.
REMOVE STR. & PIPE

+55.6, RT. STR. NO. 174
M.H. TYPE I(FW) - A(FW) &
30 LF of 24" PIPE REQ'D.

+15.0, RT. STR. NO. 180
INLET TYPE II(FW) - C(FW) &
61 LF of 12" PIPE REQ'D.

+89, STR. NO. 236
EXIST. INLET IN PLACE.
REMOVE AND PLUG PIPE.

+80.0, RT. STR. NO . 182
INLET TYPE II(FW) - C(FW) &
65 LF of 12" PIPE REQ'D.

+60.4, 55' RT. STR. NO. 176
INLET TYPE II(FW) - C(FW) &
4 LF of 12" PIPE REQ'D.

+86.1, 55' RT. STR. NO. 177
INLET TYPE II(FW) - C(FW) &
26 LF of 12" PIPE REQ'D.

+64.8, RT. STR. NO. 184
INLET TYPE II(FW) - C(FW) &
54 LF of 12" PIPE REQ'D.

+96, STR. NO. 240
EXIST. INLET IN PLACE.
REMOVE.

+20.0, RT. STR. NO. 186
INLET TYPE II(FW) - C(FW) &
54 LF of 12" PIPE REQ'D.

+13, STR. NO. 241
EXIST. INLET IN PLACE.
REMOVE INLET AND PIPE.

+45, STR. NO. 242
EXIST. INLET IN PLACE.
FURNISH CASTING TYPE "A"
AND ADJUST TO GRADE REQ'D.

MONARCH DR.
MAPLECREST ROAD
BENNINGTON DR.
LINE PR-1
TBM #11
APP. SECTION LINE
CONSTR. LIMITS
EXIST. 54" CMP
EXIST. 42" CMP
EXIST. 24" RCP
EXIST. 15" RCP
EXIST. 8" SAN. SEWER
Ex. 12" CI.
Ex. 6" CI.
Ex. 8" CI.
App. Exist. R/W
App. P.
SERVICE
(Grass)
(Asphalt)
(Conc. Walk)
(Curb & Gutter)
(Roll Curb)
(Stone)
(Sign)
UE
W
G
S
20.5'
28.5'
6'
5'

0 20' 40'

SEE PLAN & PROFILE SHEETS FOR
ALIGNMENT AND RIGHT-OF-WAY DATA.

LEGEND

(S) HMA FOR STRUCTURE INSTALLATION, TYPE B
165 #/SY HMA SURFACE, 9.5 mm ON
275 #/SY HMA INTERMED., 19.0 mm ON
440 #/SY HMA BASE, 25.0 mm ON
SUBGRADE TREATMENT, TYPE 1A

(8A) ABANDON 12" WATER MAIN

(8B) CUT & PLUG

(8C) 1 - 16" GATE VALVE
815 LF OF 16" WATERMAIN (TO STA 53+00)

(8D) 1 - 16" x 12" TEE
45 LF OF 12" WATERMAIN
1 - 12" GATE VALVE
4 - 12" 45° ELBOW

(8E) 1 - REMOVE FIRE HYDRANT & PLUG
1 - REMOVE VALVE BOX

(8F) FIRE HYDRANT ASSEMBLY TYPE III
1 - 6"x6" TAPPING SLEEVE & VALVE (BY W.M.S.)

(8G) WATER SERVICE TRANSFER, 1" HDPE

(8H) 1 - 12" PLUG 2/ 2" TEMP. BLOW-OFF
ASSEMBLY FOR P.T.&D.
1 - 12"x12" TAPPING SLEEVE & VALVE (BY W.M.S.)
1 - ¾" TEST RISER (TEMP.)

(8I) CONTRACTOR SHALL FIELD VERIFY
DEPTH OF EX. 6" WATERMAIN AND
ADJUST 16" WATERMAIN DEPTH IF REQ'D.

(8J) FIRE HYDRANT ASSEMBLY TYPE I

(8K) 5' TO 8' OPENING. UPON SUCCESSFUL
COMPLETION OF P.T. & D., REMOVE
RISER, PLUG & BLOW-OFF. CONNECT TO
12" TAPPING SLEEVE & VALVE.

P.V.I. 44+50
EL.=774.49
V.C.=70'

P.V.I. 46+00
EL.=775.71
V.C.=100'

P.V.I. 48+00
EL.=777.73
V.C.=115'

790 / 785 / 780 / 775 / 770 / 765 / 760 / 755 / 750

31' OF 12" PIPE @ 0.58% (STORM SEWER LT.) (10' ABOVE DATUM)
INV. T10.18
STR. NO. 168 INV. T10.68
INV. T10.50
EXIST. 54" RCP (10' ABOVE DATUM)
STR. NO. 170 INV. T10.40

18' OF 12" PIPE @ 0.55% (STORM SEWER LT.) (10' ABOVE DATUM)
INV. T10.30
61' OF 12" PIPE @ 0.29% (STORM SEWER LT.) (10' ABOVE DATUM)
INV. T11.58
STR. NO. 172 INV. T68.90
STR. NO. 171
STR. NO. 172 INV. T68.80
STR. NO. 173 INV. T68.80
18" MIN.

55' OF 12" PIPE @ 0.33% (STORM SEWER LT.) (10' ABOVE DATUM)
INV. T11.86
STR. NO. 179 INV. T11.16
STR. NO. 181 INV. T12.04
EXIST. 42" RCP (10' ABOVE DATUM)
PROFILE GRADE @ LINE "PR-1"
0.81%
PROFILE OF EXISTING GROUND @ LINE "PR-1"

38' OF 12" PIPE @ 0.26% (STORM SEWER LT.) (10' ABOVE DATUM)
STR. NO. 183 INV. T12.60
STR. NO. 183 INV. T12.50
INV. T12.40
111' OF 12" PIPE @ 1.50% (STORM SEWER LT.) (10' ABOVE DATUM)
INV. T14.44
STR. NO. 185 INV. T14.15
EXIST. 42" RCP (10' ABOVE DATUM)
1.01%
STR. NO. 187 INV. T10.50
2.21%
18" MIN.
16" WATERMAIN (MAINTAIN MIN. 7' COVER)

34' OF 12" PIPE @ 0.35% (STORM SEWER RT., 10' BELOW DATUM)
INV. T11.25
STR. NO. 169 INV. T11.15
61' OF 12" PIPE @ 0.30% (STORM SEWER RT., 10' BELOW DATUM)
INV. T11.59
INV. T11.05
STR. NO. 173 INV. T69.50
STR. NO. 174 INV. T69.60
STR. NO. 176 INV. T10.80
INV. T10.90
STR. NO. 174 INV. T69.10
65' OF 12" PIPE @ 0.24% (STORM SEWER RT., 10' BELOW DATUM)
INV. T11.87
STR. NO. 180 INV. T11.77
STR. NO. 182 INV. T12.06
54' OF 12" PIPE @ 0.21% (STORM SEWER LT.) (10' BELOW DATUM)
STR. NO. 184 INV. T12.11
54' OF 12" PIPE @ 0.21% (STORM SEWER LT.) (10' BELOW DATUM)
STR. NO. 186 INV. T14.60

T14.62 P.G. / T14.71 P.G. / T14.61 P.G. / T14.49 P.G. / T13.85 P.G. / T14.90 P.G. / T14.21 P.G. / T15.30 P.G. / T14.86 P.G. / T15.13 P.G. / T15.55 P.G. / T16.21 P.G. / T16.08 P.G. / T16.12 P.G. / T16.37 P.G. / T17.23 P.G. / T17.05 P.G. / T17.90 P.G. / T18.11 P.G. / T18.84 P.G. / T19.30 P.G. / T19.42 P.G.

44+00 / 44+50 / 45+00 / 45+50 / 46+00 / 46+50 / 47+00 / 47+50 / 48+00 / 48+50 / 49+00

INV. T10.10
4' OF 12" PIPE @ 0.30% (STORM SEWER LT., 20' BELOW DATUM)
STR. NO. 177 INV. T11.00
26' OF 12" PIPE @ 0.30% (STORM SEWER LT.) (20' BELOW DATUM)

TBM #9 - WEST BONNET BOLT OF FIRE HYDRANT ON NORTH SIDE OF MONARCH DR., EAST OF MAPLECREST RD.
STA. 44+91.8, 171.9' RT.(PR-1), ELEV.=T16.81
TBM #10 - EAST BONNET BOLT OF FIRE HYDRANT ON NORTH SIDE OF MONARCH DR., WEST OF MAPLECREST RD.
STA. 45.17.5, 375.9' LT. (PR-1), ELEV.=T16.42

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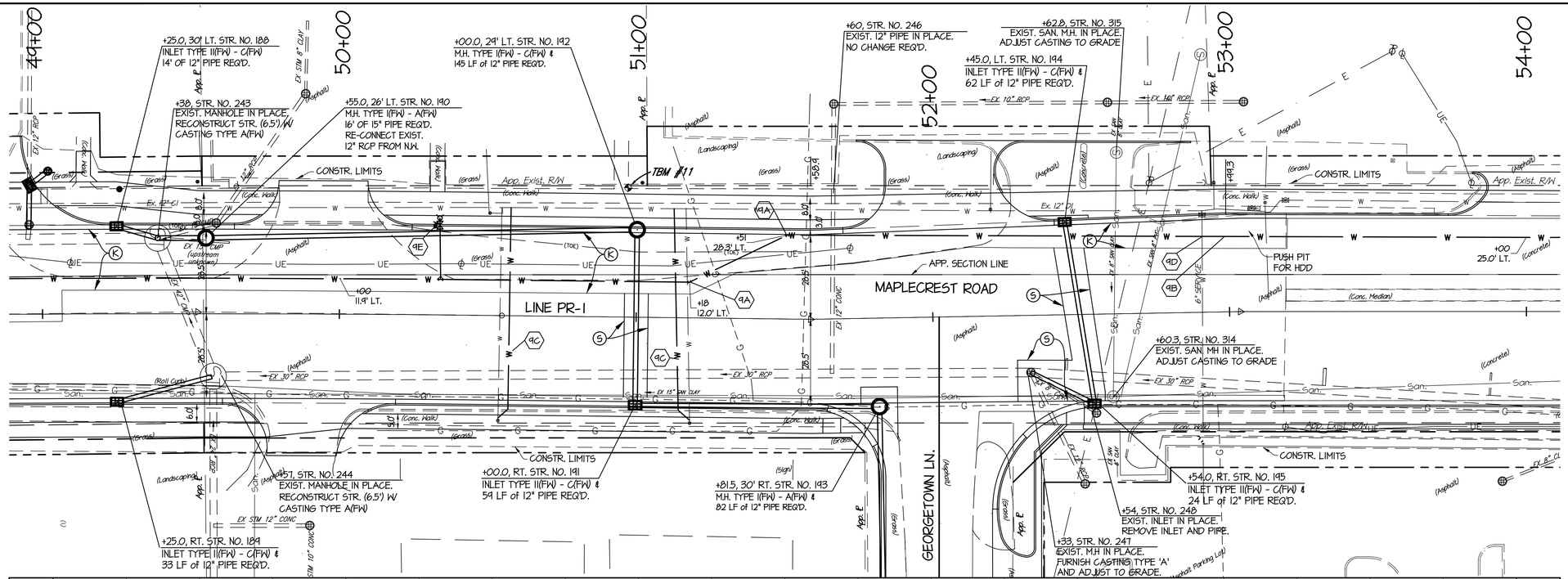
CITY OF FORT WAYNE
MAPLECREST ROAD IMPROVEMENTS

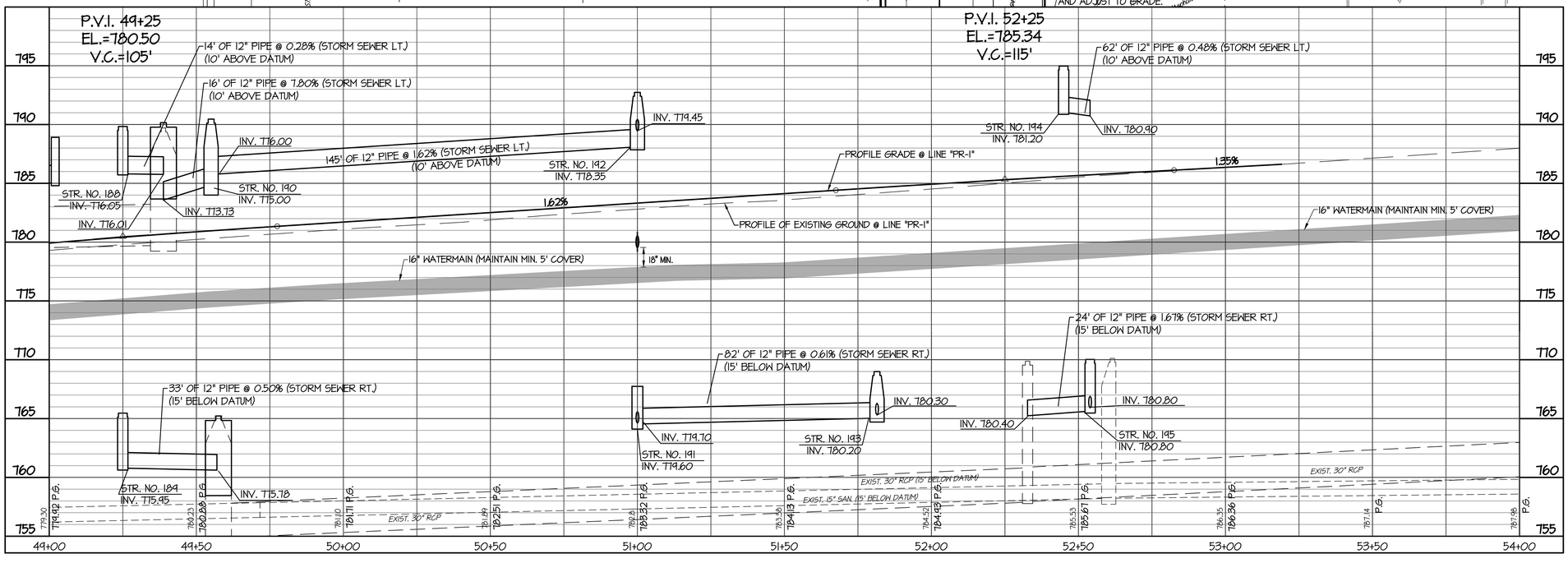
DRAINAGE AND WATER MAIN
PLAN & PROFILE
LINE PR-1

HORIZONTAL SCALE	
1" = 20'	
VERTICAL SCALE	
1" = 5'	

DESIGNATION	SHEETS
0500695	32 of 82
CONTRACT	PROJECT NUMBER
R-33886	0500695

S:\2009 Projects\09-192 Fort Wayne - Maplecrest Road\CAD\FROM B & NDD 44+00 - 49+00.dwg --- 2/27/2013 7:27 PM --- WesDowning





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LEGEND

- (K) HMA FOR MAINLINE
  165 #/SY HMA QC/QA, 4, 64, SURFACE 9.5 mm ON
  275 #/SY HMA QC/QA, 4, 64, INTERMED. 19.0 mm ON
  440 #/SY HMA QC/QA, 4, 64, BASE 25.0 mm ON
  SUBGRADE TREATMENT TYPE 1A
- (S) HMA FOR STRUCTURE INSTALLATION, TYPE B
  165 #/SY HMA SURFACE, 9.5 mm ON
  275 #/SY HMA INTERMED., 19.0 mm ON
  440 #/SY HMA BASE, 25.0 mm ON
  SUBGRADE TREATMENT, TYPE 1A
- (9A) 2 - 16" 45° ELBOW
- (9B) STA 53+00
  BEGIN 365 LF OF 16"
  WATERMAIN HDD INSTALLATION
- (9C) WATER SERVICE TRANSFER, 1.5" HDPE
- (9D) CONTRACTOR SHALL FIELD VERIFY DEPTH OF EX. 6" WATERMAIN SERVICE AND ADJUST 16" WATERMAIN DEPTH IF REQ'D.
- (9E) TEMP. FIRE HYDRANT TYPE I FOR FLUSHING. REMOVE AFTER P.T. & D. AND 6" PLUG AT 16"x6" TEE.

TBM #11 - CHISELED "I" ON EAST SIDE OF CONCRETE SIDEWALK ON WEST SIDE OF MAPLECREST RD.
STA. 46+22.4, 18.3 ' LT.(PR-1), ELEV.=T16.40

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DESIGN ENGINEER DATE

DESIGNED: BD
DRAWN: BD
CHECKED: CH
CHECKED: JC

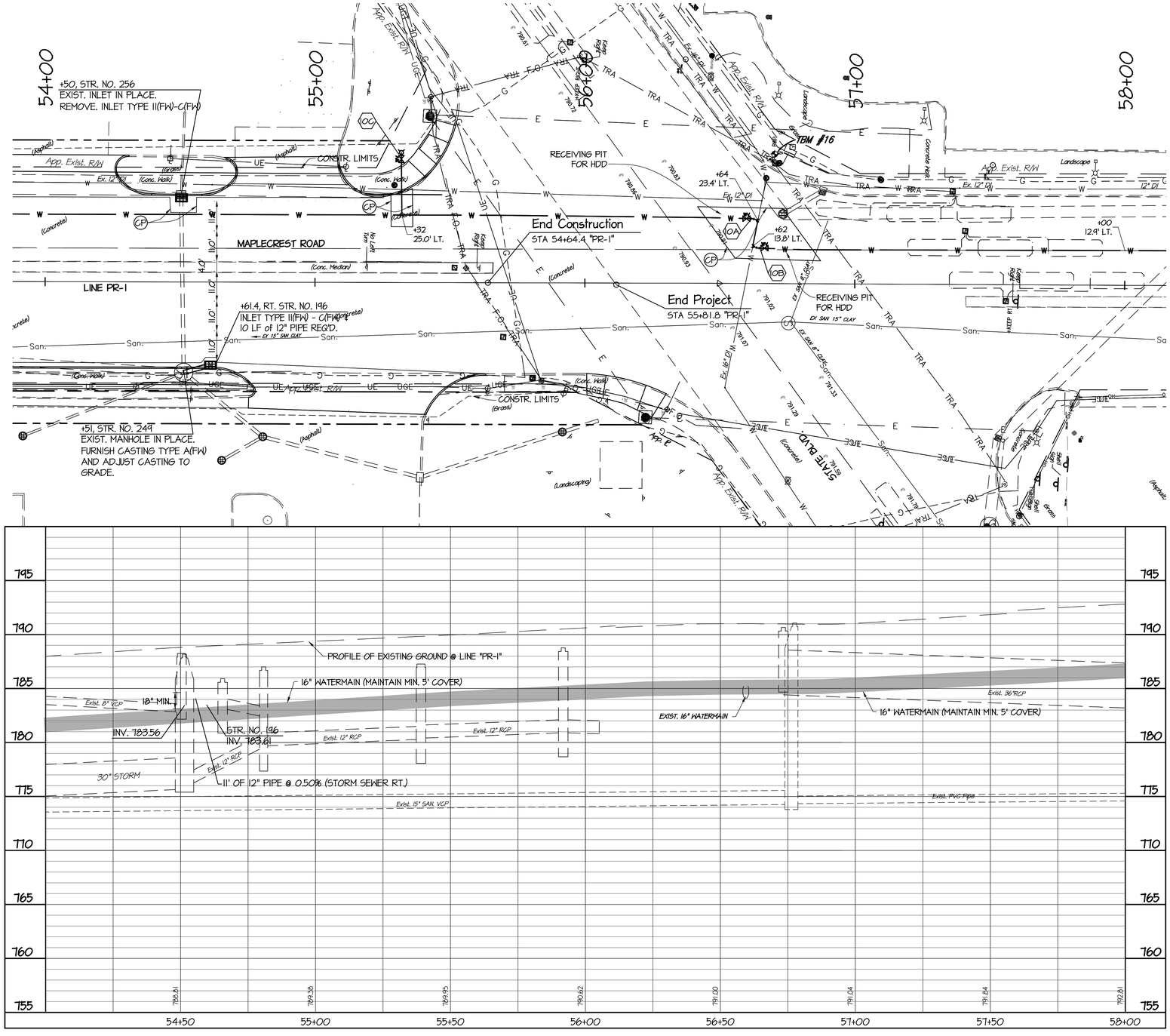
CITY OF FORT WAYNE
MAPLECREST ROAD IMPROVEMENTS

DRAINAGE AND WATER MAIN PLAN & PROFILE LINE PR-1

HORIZONTAL SCALE	
1" = 20'	
VERTICAL SCALE	
1" = 5'	

DESIGNATION	SHEETS
0500695	33 of 82
CONTRACT	PROJECT NUMBER
R-33886	0500695

S:\2009 Projects\09-192 Fort Wayne - Maplecrest Road\CAD\FROM B & NDD 49+00 - 54+00.dwg ---- 2/28/2013 3:00 PM ---- WesDowning



SEE PLAN & PROFILE SHEET FOR ALIGNMENT AND RIGHT-OF-WAY DATA.

LEGEND

- (CP) PCCP FOR STRUCTURE INSTALLATION
  PCCP, 9" ON
  4" COARSE AGGREGATE NO. 8 ON
  6" COMPACTED AGGREGATE NO. 53
- (OA) 1 - 16" x 16" TAPPING SLEEVE & VALVE (BY CONTRACTOR)
  1 - 16" 22.5° ELBOW
  1 - ¾" TEST RISER (TEMP.) FOR P.T.&D.
  IN 6" VALVE BOX
- (OB) 1 - 16" x 16" TAPPING SLEEVE & VALVE (BY CONTRACTOR)
  1 - 16" 22.5° ELBOW
  1 - ¾" TEST RISER (TEMP.)
  IN 6" VALVE BOX
  410 LF OF 16" WATERMAIN HDD INSTALLATION
- (OC) TEMP. FIRE HYDRANT ASSEMBLY TYPE 1 FOR FLUSHING. REMOVE AFTER P.T. & D. AND 6" PLUG AT 16"x6" TEE.

TBM #15 - CHISELED 'X' ON NE BOLT OF STRAIN POLE ON SOUTH SIDE OF E. STATE BLVD., APPROX. 10' WEST OF EAST DRIVE TO HALEY ELEM. STA. 53+56.1, 370.1' LT.(PR-1), ELEV.=792.61

TBM #16 - CHISELED '+' ON SW CORNER OF CONCRETE STRAIN POLE BASE @ NORTHWEST CORNER OF MAPLECREST RD. & E. STATE. BLVD. STA. 56+70.1, 47.9' LT.(PR-1), ELEV.=791.29

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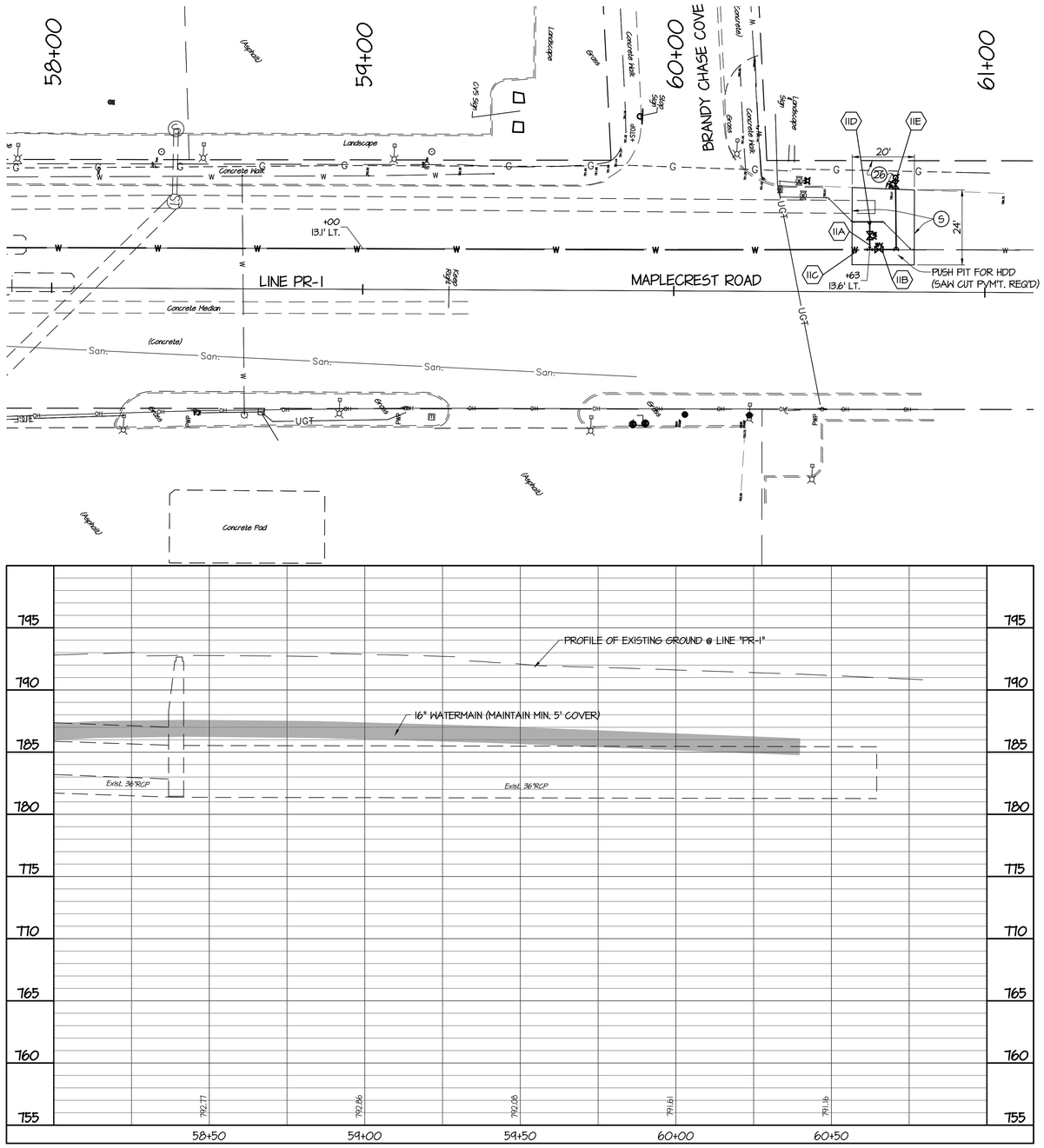
CITY OF FORT WAYNE
MAPLECREST ROAD IMPROVEMENTS

DRAINAGE AND WATER MAIN PLAN & PROFILE LINE PR-1

HORIZONTAL SCALE	
1" = 20'	
VERTICAL SCALE	
1" = 5'	
DESIGNATION	SHEETS
0500695	34 of 82
CONTRACT	PROJECT NUMBER
R-33886	0500695

S:\2009 Projects\09-192 Fort Wayne - Maplecrest Road\CAD\FROM B & N\DD 54+00 - 58+00.dwg — 2/28/2013 1:58 PM — WesDowning



SEE PLAN & PROFILE SHEETS FOR ALIGNMENT AND RIGHT-OF-WAY DATA.

LEGEND

(S) HMA FOR STRUCTURE INSTALLATION, TYPE B
165 #/SY HMA SURFACE, 9.5 mm ON
275 #/SY HMA INTERMED., 19.0 mm ON
440 #/SY HMA BASE, 25.0 mm ON
SUBGRADE TREATMENT, TYPE IA

(26) SODDING, NURSERY

⟨IIA⟩ 1 - 16" x 12" TEE
10 LF OF 12" WATERMAIN

⟨IIB⟩ 1 - 16" GATE VALVE
1 - 16"x6" TEE (FOR TEMP. FIRE HYDRANT ASSEMBLY)
1 - 16" PLUG
1 - ¾" TEST RISER (TEMP.) IN 6" VALVE BOX
1 - 2" TEMP. BLOW OFF ASSEMBLY FOR P.T.&D.

⟨IIC⟩ STA 60+60
END 16" WATERMAIN &
HDD INSTALLATION

⟨IID⟩ 1 - 12" x 12" TAPPING SLEEVE
AND VALVE BY W.M.S
1 - ¾" TEST RISER (TEMP.)
IN 1 - 6" VALVE BOX.

⟨IIE⟩ TEMP FIRE HYDRANT ASSEMBLY TYPE I
FOR FLUSHING. REMOVE FIRE HYDRANT
ASSEMBLY & TEE, AND RE-INSTALL 16"
PLUG AFTER P.T.&D.

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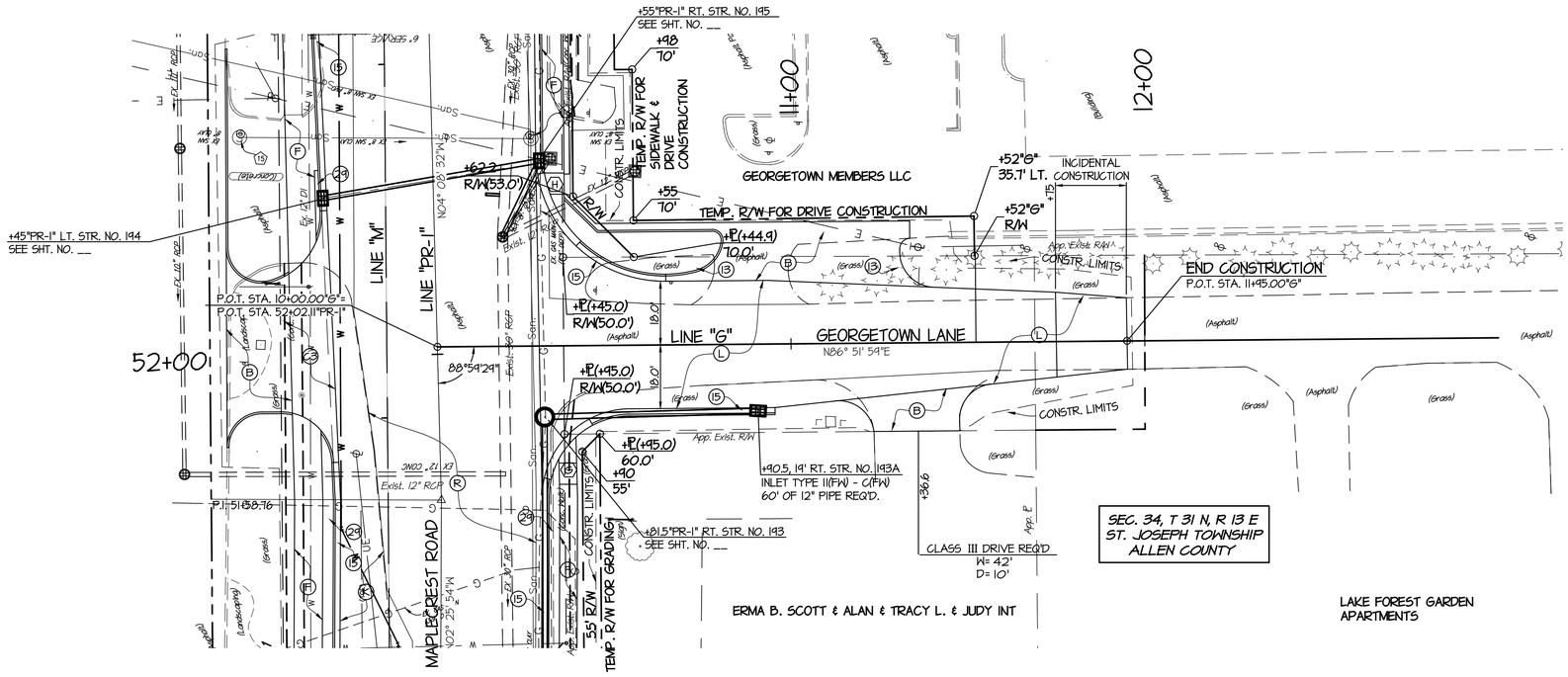
CITY OF FORT WAYNE
MAPLECREST ROAD IMPROVEMENTS

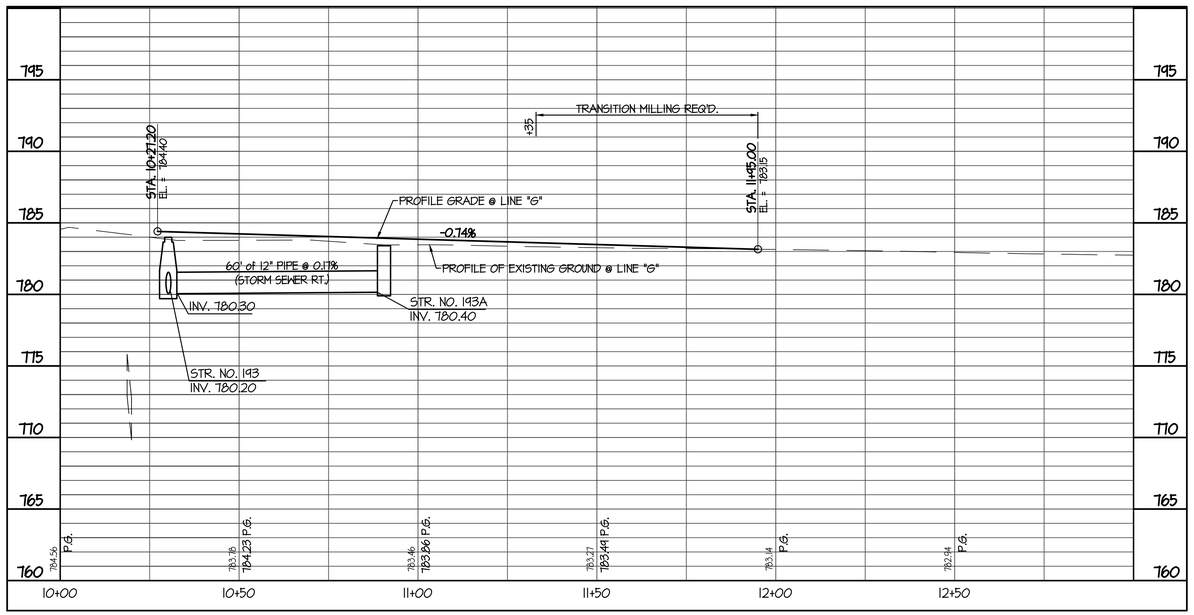
DRAINAGE AND WATER MAIN PLAN & PROFILE LINE PR-1

HORIZONTAL SCALE	
1" = 20'	
VERTICAL SCALE	
1" = 5'	

DESIGNATION	SHEETS
0500695	35 of 82
CONTRACT	PROJECT NUMBER
R-33886	0500695

S:\2009 Projects\09-192 Fort Wayne - Maplecrest Road\CAD\FROM B & NDD 58+00 - 64+00.dwg — 2/22/2013 11:48 AM — WesDowning





ALL R/W DESCRIBED FROM LINE "M"
EXCEPT AS SHOWN
LINE "PR-1" TO BE CONSTRUCTED

LEGEND

- (B) HMA FOR APPROACHES
  165 #/S.Y. HMA SURFACE, TYPE B ON
  275 #/S.Y. HMA INTERMED. TYPE B ON
  880 #/S.Y. HMA BASE, TYPE B ON
  SUBGRADE TREATMENT TYPE IIIA
- (C) PCCP FOR APPROACHES, 6 IN. ON
  SUBGRADE TREATMENT TYPE IIIA
- (C3) PCCP FOR APPROACHES, 9 IN. ON
  SUBGRADE TREATMENT TYPE IIIA
- (F) SIDEWALK, CONCRETE, 4"
- (K) HMA FOR MAINLINE
  165 #/SY HMA QC/QA, 4, 64, SURFACE 9.5 mm ON
  275 #/SY HMA QC/QA, 4, 64, INTERMED. 19.0 mm ON
  440 #/SY HMA QC/QA, 4, 64, BASE 25.0 mm ON
  SUBGRADE TREATMENT TYPE IA
- (R) HMA FOR RESURFACING
  165 #/SY HMA QC/QA, 4, 64, SURFACE 9.5 mm ON
  VARIABLE DEPTH HMA INTERMEDIATE, TYPE B
  (MIN. 110 #/SY, MAX. 330 #/SY) ON
  MILLING, SCARIFICATION/PROFILE
- (W) HMA FOR WIDENING
  165 #/SY HMA QC/QA, 4, 64, SURFACE 9.5 mm ON
  275 #/SY HMA QC/QA, 4, 64, INTERMED. 19.0 mm ON
  440 #/SY HMA QC/QA, 4, 64, BASE 25.0 mm ON
  SUBGRADE TREATMENT TYPE IA
- (L) HMA FOR APPROACHES, TYPE B
  165 #/SY HMA SURFACE 9.5 mm ON
  275 #/SY HMA INTERMED. 19.0 mm ON
  440 #/SY HMA BASE 25.0 mm ON
  SUBGRADE TREATMENT TYPE IA
- (13) CONCRETE CURB, 6"
- (15) CURB AND GUTTER, COMBINED, CONCRETE, MODIFIED
- (29) MULCHED SEEDING, TYPE U
- (-) CURB RAMP, CONCRETE, TYPE "-"

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CITY OF FORT WAYNE
MAPLECREST ROAD IMPROVEMENTS

DRAINAGE AND WATER MAIN PLAN & PROFILE LINE G

HORIZONTAL SCALE	
1" = 20'	
VERTICAL SCALE	
1" = 5'	
DESIGNATION	SHEETS
0500695	36 of 82
CONTRACT	PROJECT NUMBER
R-33886	0500695

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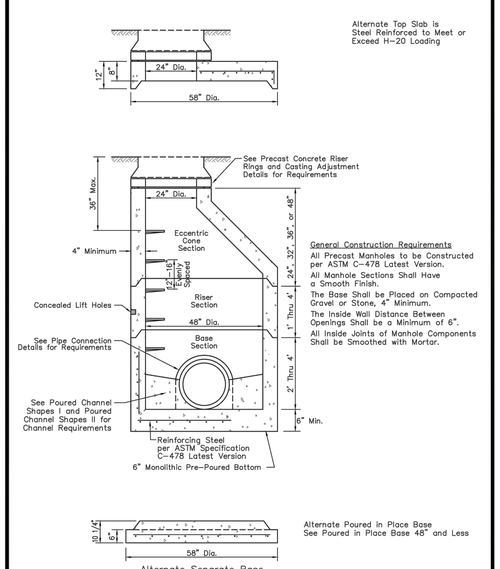
City Utilities Department of Water Resources

MANHOLE I(FW)

Created: January 1, 2002 Revised: September 19, 2011

Scale: N.T.S. Approved: January 1, 2002



General Construction Requirements

All Precast Manholes to be Constructed per ASTM C-478 Latest Version.

All Manhole Sections Shall Have a Smooth Finish.

The Base Shall be Placed on Compacted Gravel or Stone, 4" Minimum.

The Inside Wall Distance Between Openings Shall be a Minimum of 6".

All Inside Joints of Manhole Components Shall be Smoothed with Mortar.

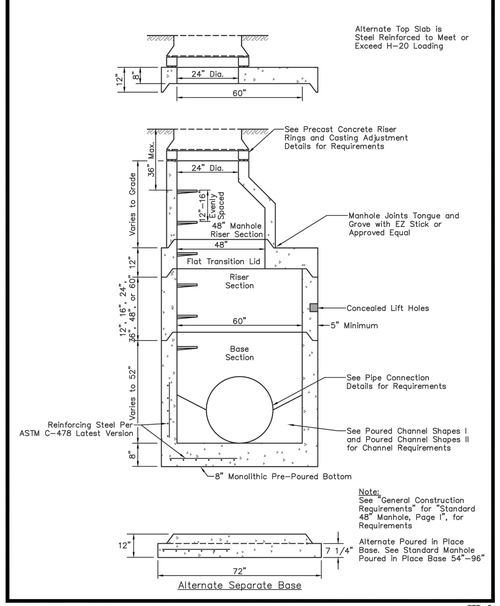
STR-1-1

City Utilities Department of Water Resources

MANHOLE II(FW)

Created: January 1, 2002 Revised: September 19, 2011

Scale: N.T.S. Approved: January 1, 2002



Note:
See "General Construction Requirements" for "Standard 48" Manhole, Page 1", for Requirements

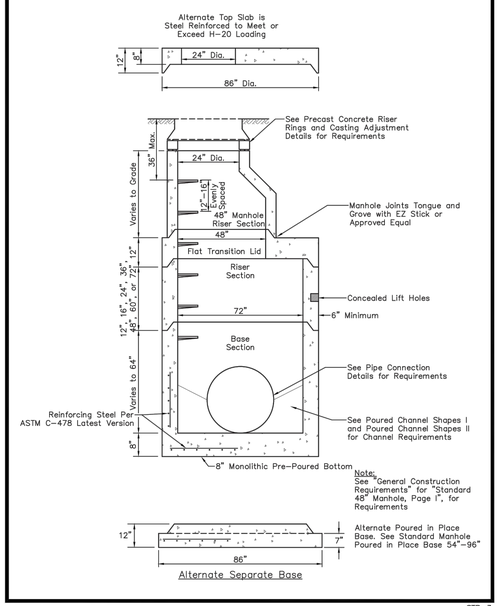
STR-2

City Utilities Department of Water Resources

MANHOLE III(FW)

Created: January 1, 2002 Revised: September 19, 2011

Scale: N.T.S. Approved: January 1, 2002



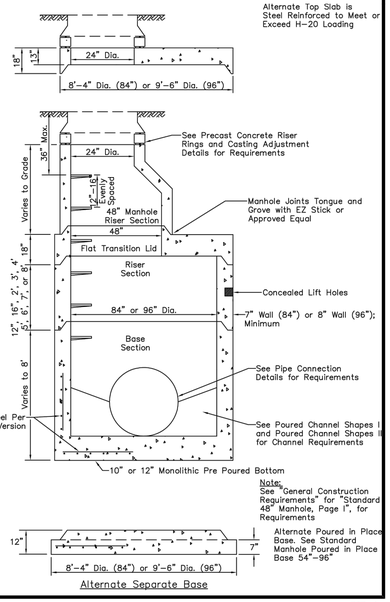
Note:
See "General Construction Requirements" for "Standard 48" Manhole, Page 1", for Requirements

STR-3

City Utilities Department of Water Resources

MANHOLE IV(FW)

Created: January 1, 2002 Revised:



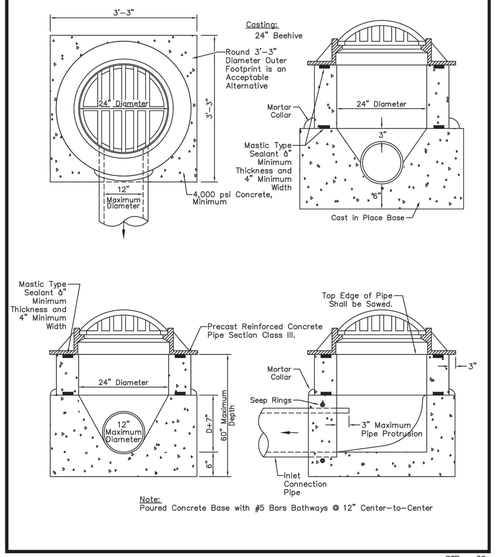
Note:
See "General Construction Requirements" for "Standard 48" Manhole, Page 1", for Requirements

STR-4

City Utilities Department of Water Resources

INLET I(FW)

Created: January 1, 2002 Revised:



Note:
Poured Concrete Base with #5 Bars Bothways @ 12" Center-to-Center

STR - 30

City Utilities Department of Water Resources

INLET II(FW)

Created: January 1, 2002 Revised:

NOTE:
Reinforcing Steel Per ASTM C-890

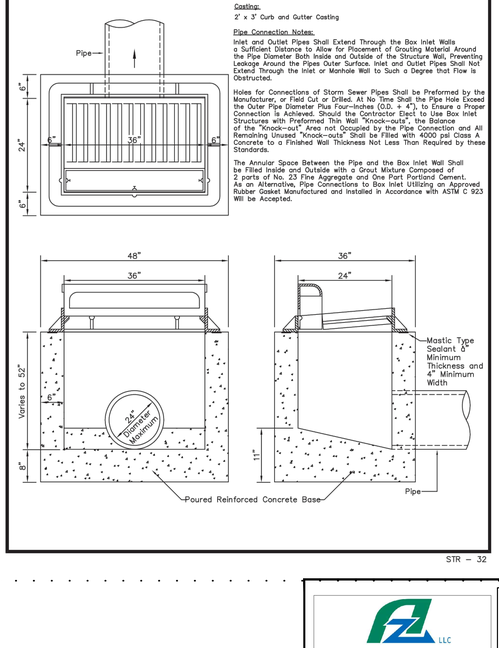
Casting:
2' x 3' Curb and Gutter Casting

Pipe Connection Notes:

Inlet and Outlet Pipes Shall Extend Through the Box Inlet Walls a Sufficient Distance to Allow for Placement of Grouting Material Around the Pipe Diameter Both Inside and Outside of the Structure Wall, Preventing Leakage Around the Pipes Outer Surface. Inlet and Outlet Pipes Shall Not Extend Through the Inlet or Manhole Wall to Such a Degree that Flow is Obstructed.

Holes for Connections of Storm Sewer Pipes Shall be Preformed by the Manufacturer, or Field Cut or Drilled. At No Time Shall the Pipe Hole Exceed the Outer Pipe Diameter Plus Four-Inches (O.D. + 4"), to Ensure a Proper Connection is Achieved. Should the Contractor Elect to Use Box Inlet Structures with Preformed Thin Wall "Knock-outs", the Balance of the "Knock-out" Area not Occupied by the Pipe Connection and All Remaining Unused "Knock-outs" Shall be Filled with 4000 psi Class A Concrete to a Finished Wall Thickness Not Less Than Required by these Standards.

The Annular Space Between the Pipe and the Box Inlet Wall Shall be Filled Inside and Outside with a Grout Mixture Composed of 2 parts of No. 23 Fine Aggregate and One Part Portland Cement. As an Alternative, Pipe Connections to Box Inlet Utilizing an Approved Rubber Gasket Manufactured and Installed in Accordance with ASTM C 923 Will be Accepted.



STR - 32

City Utilities Department of Water Resources

INLET IV(FW)

Created: January 1, 2002 Revised:

NOTE:
Reinforcing Steel Per ASTM C-890

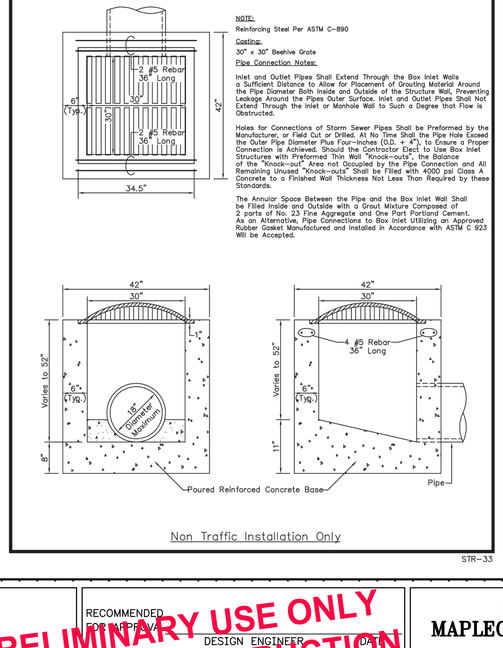
Casting:
30" x 30" Beehive Grate

Pipe Connection Notes:

Inlet and Outlet Pipes Shall Extend Through the Box Inlet Walls a Sufficient Distance to Allow for Placement of Grouting Material Around the Pipe Diameter Both Inside and Outside of the Structure Wall, Preventing Leakage Around the Pipes Outer Surface. Inlet and Outlet Pipes Shall Not Extend Through the Inlet or Manhole Wall to Such a Degree that Flow is Obstructed.

Holes for Connections of Storm Sewer Pipes Shall be Preformed by the Manufacturer, or Field Cut or Drilled. At No Time Shall the Pipe Hole Exceed the Outer Pipe Diameter Plus Four-Inches (O.D. + 4"), to Ensure a Proper Connection is Achieved. Should the Contractor Elect to Use Box Inlet Structures with Preformed Thin Wall "Knock-outs", the Balance of the "Knock-out" Area not Occupied by the Pipe Connection and All Remaining Unused "Knock-outs" Shall be Filled with 4000 psi Class A Concrete to a Finished Wall Thickness Not Less Than Required by these Standards.

The Annular Space Between the Pipe and the Box Inlet Wall Shall be Filled Inside and Outside with a Grout Mixture Composed of 2 parts of No. 23 Fine Aggregate and One Part Portland Cement. As an Alternative, Pipe Connections to Box Inlet Utilizing an Approved Rubber Gasket Manufactured and Installed in Accordance with ASTM C 923 Will be Accepted.



Non Traffic Installation Only

STR-33

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CITY OF FORT WAYNE
MAPLECREST ROAD IMPROVEMENTS

DRAINAGE CONSTRUCTION DETAIL
STANDARD DETAILS

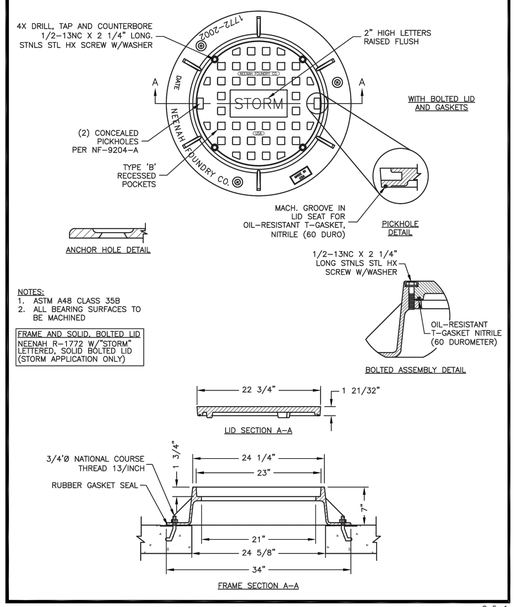
HORIZONTAL SCALE	
N.T.S.	
VERTICAL SCALE	
N.T.S.	
DESIGNATION	SHEETS
0500695	37 of 82
CONTRACT	PROJECT NUMBER
R-33886	0500695

S:\2009 Projects\09-192 Fort Wayne - Maplecrest Road\CAD\FROM B & N\DD Details1.dwg --- 2/22/2013 11:50 AM --- PaulHoward

City Utilities Department of Water Resources

CASTING A(FW)

Created: July 8, 2010 Revised: September 2, 2010
Scale: N.T.S. Approved: September 8, 2010



NOTES:
1. ASTM A48 CLASS 35B
2. ALL BEARING SURFACES TO BE MACHINED

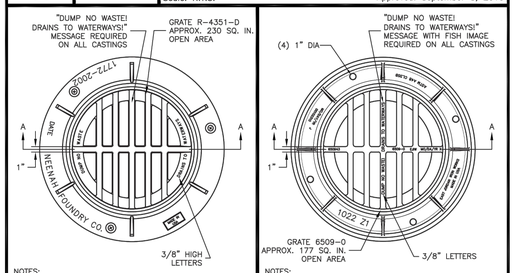
FRAME AND SOLID, BOLTED LID
NEENAH R-1772 W/"STORM" LETTERED, SOLID BOLTED LID (STORM APPLICATION ONLY)

C 5-1

City Utilities Department of Water Resources

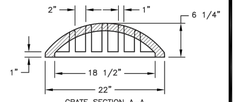
CASTING B(FW)

Created: January 1, 2002 Revised: September 2, 2010
Scale: N.T.S. Approved: September 8, 2010



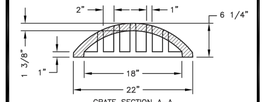
NOTES:
1. ASTM A48-83 CLASS 35B
2. ALL BEARING SURFACES TO BE MACHINED

FRAME AND GRATE
NEENAH R-1772 W/R-4351-D BEEHIVE GRATE & ENVIRONMENTAL LETTERING/SYMBOLS



NOTES:
1. ASTM A48-83 CLASS 35B
2. ALL BEARING SURFACES TO BE MACHINED

FRAME AND GRATE
E JORDAN 102221 W/6509-Q BEEHIVE GRATE & ENVIRONMENTAL LETTERING/SYMBOLS

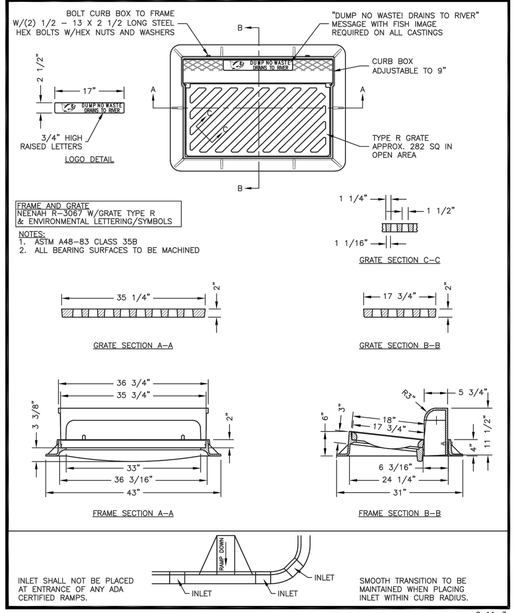


C 7-1

City Utilities Department of Water Resources

CASTING C(FW)

Created: July 26, 2010 Revised: September 3, 2010
Scale: N.T.S. Approved: September 8, 2010



FRAME AND GRATE
NEENAH R-3067 W/GRATE TYPE R & ENVIRONMENTAL LETTERING/SYMBOLS

NOTES:
1. ASTM A48-83 CLASS 35B
2. ALL BEARING SURFACES TO BE MACHINED

INLET SHALL NOT BE PLACED AT ENTRANCE OF ANY ADA CERTIFIED RAMPS.

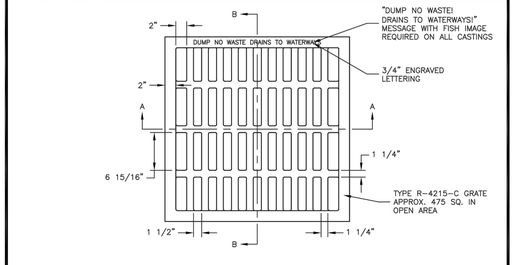
SMOOTH TRANSITION TO BE MAINTAINED WHEN PLACING INLET WITHIN CURB RADIUS.

C 11-3

City Utilities Department of Water Resources

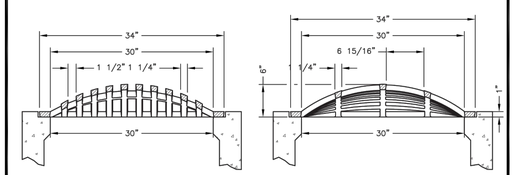
CASTING F(FW)

Created: January 1, 2002 Revised: September 2, 2010
Scale: N.T.S. Approved: September 8, 2010

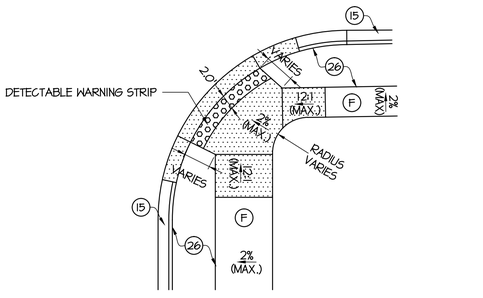


NOTES:
1. ASTM A48-83 CLASS 35B
2. ALL BEARING SURFACES TO BE MACHINED

GRATE
NEENAH R-4215-C GRATE W/ENVIRONMENTAL LETTERING/SYMBOLS (NON-TRAFFIC APPLICATION ONLY)

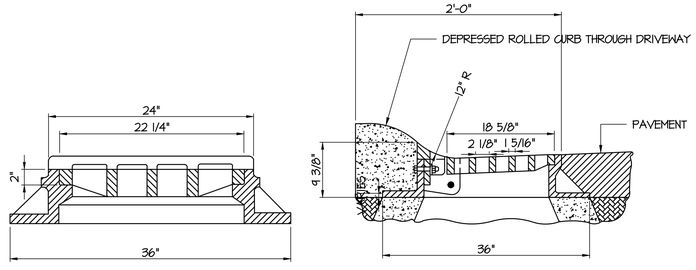


C 8-1



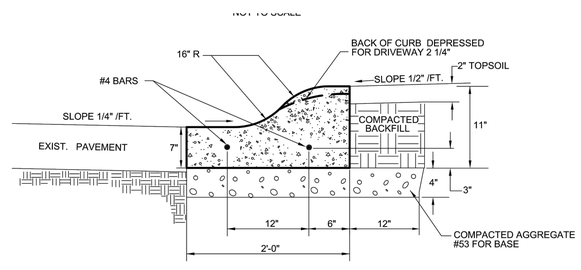
CURB RAMP, CONCRETE, TYPE E, MODIFIED

SCALE: 1"=10'



CASTING R(FW)

SCALE: 1"=2'



CURB AND GUTTER ROLL CURB

SCALE: 1"=4'

LEGEND

- (F) SIDEWALK, CONCRETE, 4"
- (15) CURB AND GUTTER, COMBINED, CONCRETE, MODIFIED
- (26) SODDING, NURSERY
- CURB RAMP PAY LIMITS

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DESIGNED: JC/JLS DRAWN: BD/JLS
CHECKED: CH/WWD CHECKED: JC/WWD

CITY OF FORT WAYNE
MAPLECREST ROAD IMPROVEMENTS

DRAINAGE CONSTRUCTION DETAIL
STANDARD DETAILS

HORIZONTAL SCALE	
N.T.S.	
VERTICAL SCALE	
N.T.S.	

DESIGNATION	SHEETS
0500695	38 of 82
CONTRACT	PROJECT NUMBER
R-33886	0500695

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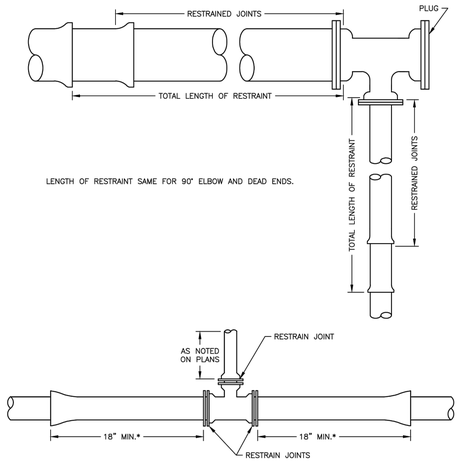
Fort Wayne City Utilities Design Standards Manual

RESTRAINT OF TEES

Created: January 1, 2002 — Revised: April 5, 2012
Scale: N.T.S. — Approved: May 16, 2012

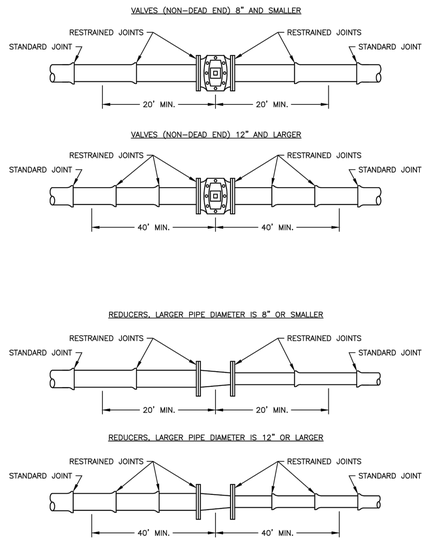


W-45

Fort Wayne City Utilities Design Standards Manual

RESTRAINING VALVES (NON-DEAD END) AND REDUCERS

Created: January 1, 2002 — Revised: April 5, 2012
Scale: N.T.S. — Approved: May 16, 2012



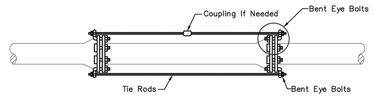
W-47

Fort Wayne City Utilities Design Standards Manual

RESTRAINING METHODS

Created: January 1, 2002 — Revised: April 5, 2012
Scale: N.T.S. — Approved: May 16, 2012

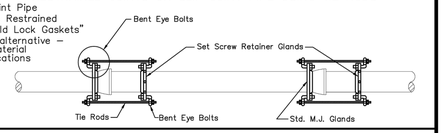
RESTRAINED JOINTS ON M.J. PIPE USING TIE RODS



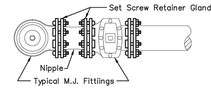
RESTRAINED JOINTS ON M.J. PIPE USING SET SCREW RETAINER GLANDS

Note: Slip Joint Pipe May be Restrained by "Field Lock Gaskets" as an alternative — see material specifications

RESTRAINED JOINTS ON SLIP JOIN PIPE USING TIE RODS



SELF-ANCHORING NIPPLE OR PLAIN END PIPE w/2-M.J. SET SCREW RETAINER GLANDS

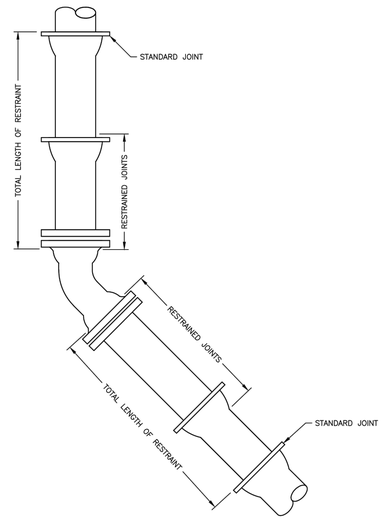


W-43

Fort Wayne City Utilities Design Standards Manual

RESTRAINT OF ELBOWS

Created: January 1, 2002 — Revised: April 5, 2012
Scale: N.T.S. — Approved: May 16, 2012

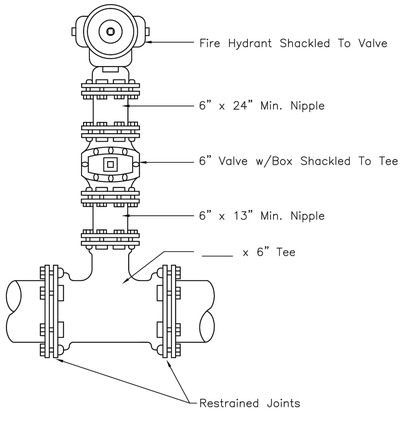


W-44

Fort Wayne City Utilities Design Standards Manual

FIRE HYDRANT ASSEMBLY TYPE I

Created: January 1, 2002 — Revised: April 5, 2012
Scale: N.T.S. — Approved: May 16, 2012



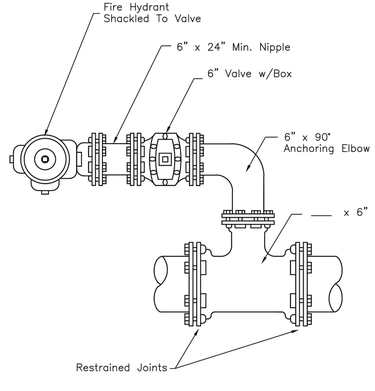
NOTE: This Arrangement Can Be Used On All Sizes Of Mains.

W-10

Fort Wayne City Utilities Design Standards Manual

FIRE HYDRANT ASSEMBLY TYPE III

Created: January 1, 2002 — Revised: April 5, 2012
Scale: N.T.S. — Approved: May 16, 2012



NOTE: This Arrangement Can Be Used On All Sizes Of Mains.

W-12

Fort Wayne City Utilities Design Standards Manual

STANDARD HYDRANT SETTING

Created: January 1, 2002 — Revised: April 5, 2012
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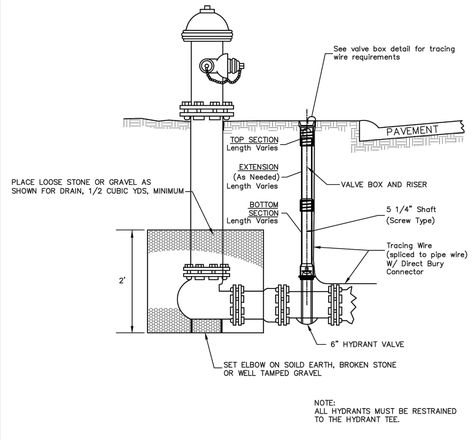


NOTE: ALL HYDRANTS MUST BE RESTRAINED TO THE HYDRANT TEE.

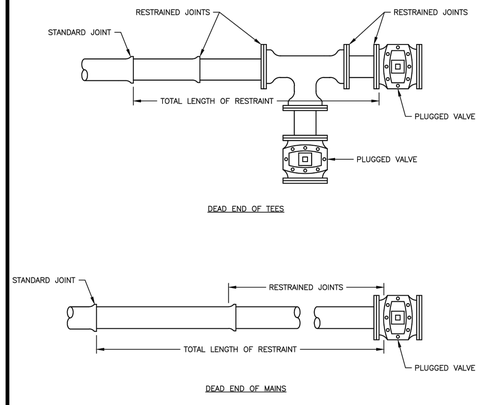
NOTE: Tracing Wire Required for All Non Metal Pipe and for All Iron Pipe 12" in diameter and larger.

W-17

Fort Wayne City Utilities Design Standards Manual

RESTRAINING VALVES ON DEAD ENDS

Created: January 1, 2002 — Revised: April 5, 2012
Scale: N.T.S. — Approved: May 16, 2012



DEAD END OF TEES

DEAD END OF MAINS

W-46

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DESIGNED: JLS — DRAWN: JLS
CHECKED: — CHECKED:

CITY OF FORT WAYNE
MAPLECREST ROAD IMPROVEMENTS

WATER MAIN
CONSTRUCTION DETAILS

HORIZONTAL SCALE	
N.T.S.	
VERTICAL SCALE	
N.T.S.	
DESIGNATION	SHEETS
0500695	39 of 82
CONTRACT	PROJECT NUMBER
R-33886	0500695

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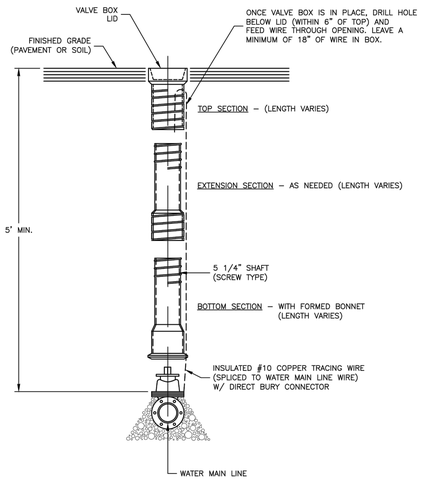
Fort Wayne City Utilities Design Standards Manual

VALVE BOX

Created: January 1, 2002 — Revised: April 5, 2012
Scale: N.T.S. — Approved: May 16, 2012



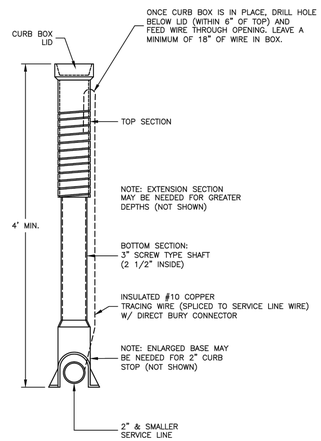
NOTES:
1. ALL VALVE BOXES SHALL BE CAST IRON, BUFFALO SCREW STYLE WITH THE WORD "WATER" CAST IN THE LID.
2. VALVE BOX SHALL BE A TWO PIECE TYPE WITH A ROUND BASE AND 5 1/4" SHAFT SIZE.
3. THE LID SHALL BE HELD IN PLACE BY A STANDARD BRASS PENTAGON HEAD SCREW.
4. TRACING WIRE REQUIRED FOR ALL NOT–METAL PIPE AND FOR ALL RION PIPE 12" IN DIAMETER AND LARGER.
5. ALL MATERIAL SHALL MEET WATER UTILITY MATERIAL SPECIFICATIONS.

STR–43

Fort Wayne City Utilities Design Standards Manual

CURB BOX

Created: January 1, 2002 — Revised: April 5, 2012
Scale: N.T.S. — Approved: May 16, 2012



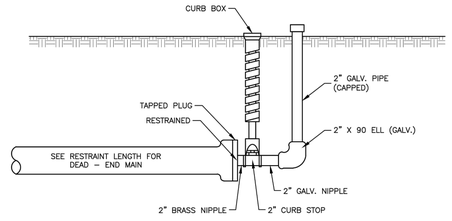
NOTES:
1. ALL CURB BOXES SHALL BE CAST IRON, BUFFALO SCREW STYLE WITH THE WORD "WATER" CAST IN THE LID.
2. CURB BOX SHALL BE A TWO PIECE TYPE WITH A 3" SHAFT SIZE (2 1/2" INSIDE).
3. THE LID SHALL BE HELD IN PLACE BY A STANDARD BRASS PENTAGON HEAD SCREW.
4. ALL MATERIAL SHALL MEET WATER UTILITY MATERIAL SPECIFICATIONS.

STR–44

Fort Wayne City Utilities Design Standards Manual

TEMPORARY BLOW-OFF INSTALLATION

Created: January 1, 2002 — Revised: April 5, 2012
Scale: N.T.S. — Approved: May 16, 2012



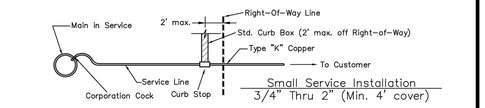
NOTES:
ALL MATERIALS FURNISHED BY CONTRACTOR AND INSTALLED BY CONTRACTOR, UNLESS OTHERWISE SPECIFIED.
TRACING WIRE REQUIRED FOR ALL NON–METAL PIPE AND FOR ALL IRON PIPE 12" IN DIAMETER AND LARGER.

STR–42–1

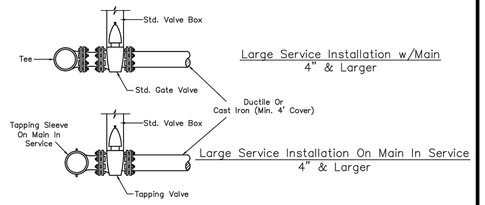
Fort Wayne City Utilities Design Standards Manual

SERVICE INSTALLATIONS

Created: January 1, 2002 — Revised: April 5, 2012
Scale: N.T.S. — Approved: May 16, 2012

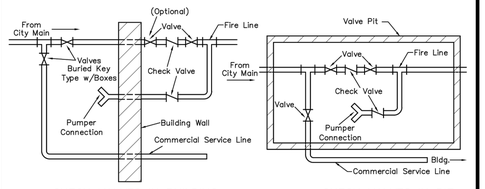


Small Service Installation
3/4" Thru 2" (Min. 4' cover)



Large Service Installation w/Main
4" & Larger

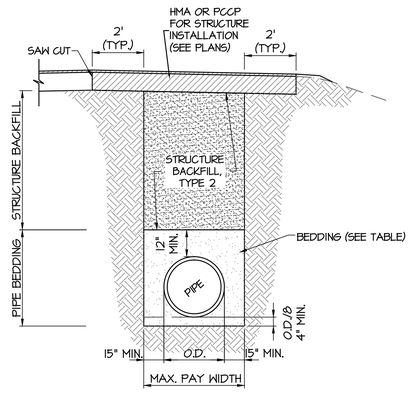
Large Service Installation On Main In Service
4" & Larger



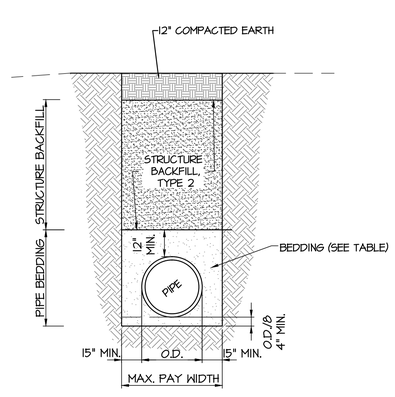
CHECK VALVES IN BUILDING — CHECK VALVES IN PIT

Fire & Commercial Service Installation

W–40



WATER MAIN BACKFILL DETAIL
UNDER PAVEMENT
NOT TO SCALE



WATER MAIN BACKFILL DETAIL
OUTSIDE OF PAVEMENT
NOT TO SCALE

PIPE	BEDDING	
DUCTILE IRON	CLASS "B"	COARSE AGGREGATE NO. 5, 8, 9 OR "B" BORROW
HDPE	CLASS "F"	COARSE AGGREGATE NO. 5, 8, OR 9
PVC		

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CITY OF FORT WAYNE
MAPLECREST ROAD IMPROVEMENTS

WATER MAIN
CONSTRUCTION DETAILS

HORIZONTAL SCALE	
N.T.S.	
VERTICAL SCALE	
N.T.S.	

DESIGNATION	SHEETS
0500695	40 of 82
CONTRACT	PROJECT NUMBER
R–33886	0500695

S:\2009 Projects\09-192 Fort Wayne - Maplecrest Road\CAD\09192-DT H20.dwg ---- 2/22/2013 11:49 AM ---- WesDowning

R/W

R/W

+66.59 "PR-I"
190.72' LT.

MATCH EXIST.

SAW CUT

WEST MATCHLINE

0 10 20

+21.81 "PR-I"
94.84' LT.

+20.12 "PR-I"
42.42' LT.

6.0'

29'

+25

LINE "PR-I"

T16.70

T17.28

+07.40 "PR-I"
43.19' LT.

+08.46 "PR-I"
53.64' LT.

R10.0'

+00.26 "PR-I"
47.92' LT.

5.0'

T16.35

T16.63

11+00

T17.03

T16.85

T16.64

+02.98 "PR-I"
31.56' RT.

T16.90

8.0'

+04.95 "PR-I"
43.47' RT.

+03.02 "PR-I"
35.45' RT.

+04.56 "PR-I"
93.06' RT.

32'

10.0'

60.0' R

60.0' R

R/W

R/W

5.0'

+82.88 "PR-I"
72.79' LT.

11.6'

17.4'

T16.62

T16.30

+75

T16.81

T16.39

T16.39

12:1

MOD

12:1

12:1

MOD

12:1

+62.26 "PR-I"
89.56' LT.

T17.01

+57.54 "PR-I"
71.53' RT.

+57.42 "PR-I"
92.51' RT.

CLASS I DRIVE REQ'D
W= 14'
D= 12'

+49.29 "PR-I"
142.14' RT.

R/W

+45.39 "PR-I"
86.79' RT.

+45.35 "PR-I"
225.55' RT.

+32.74 "PR-I"
206.12' RT.

SAWCUT

T17.28

MATCH EXIST.

SAWCUT

MATCH EXIST.

MATCH EXIST.

MATCH EXIST.

+15.47 "PR-I"
222.83' RT.

WEST MATCHLINE

LAKE AVENUE

MAPLECREST ROAD

LINE "A" (Proj. STP-9402)

LEGEND

- (K) HMA FOR MAINLINE
  165 #/SY HMA QC/QA, 4, 64, SURFACE 9.5 mm ON
  275 #/SY HMA QC/QA, 4, 64, INTERMED. 19.0 mm ON
  440 #/SY HMA QC/QA, 4, 64, BASE 25.0 mm ON
  SUBGRADE TREATMENT TYPE IA
- (R) HMA FOR RESURFACING
  165 #/SY HMA QC/QA, 4, 64, SURFACE 9.5 mm ON
  VARIABLE DEPTH HMA INTERMEDIATE, TYPE B
  (MIN. 110 #/SY, MAX. 330 #/SY) ON
  MILLING, SCARIFICATION/PROFILE
- (15) CURB AND GUTTER, COMBINED, CONCRETE, MODIFIED
- (W) HMA FOR WIDENING
  165 #/SY HMA QC/QA, 4, 64, SURFACE 9.5 mm ON
  275 #/SY HMA QC/QA, 4, 64, INTERMED. 19.0 mm ON
  440 #/SY HMA QC/QA, 4, 64, BASE 25.0 mm ON
  SUBGRADE TREATMENT TYPE IA
- (B) HMA FOR APPROACHES
  165 #/S.Y. HMA SURFACE, TYPE B ON
  275 #/S.Y. HMA INTERMED. TYPE B ON
  880 #/S.Y. HMA BASE, TYPE B ON
  SUBGRADE TREATMENT TYPE IIIA
- (F) SIDEWALK, CONCRETE, 4"

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CITY OF FORT WAYNE
MAPLECREST ROAD IMPROVEMENTS

INTERSECTION DETAIL
MAPLECREST RD & LAKE AVE

HORIZONTAL SCALE	
1" = 10'	
VERTICAL SCALE	

DESIGNATION	SHEETS
0500695	41 of 82
CONTRACT	PROJECT NUMBER
R-33886	0500695

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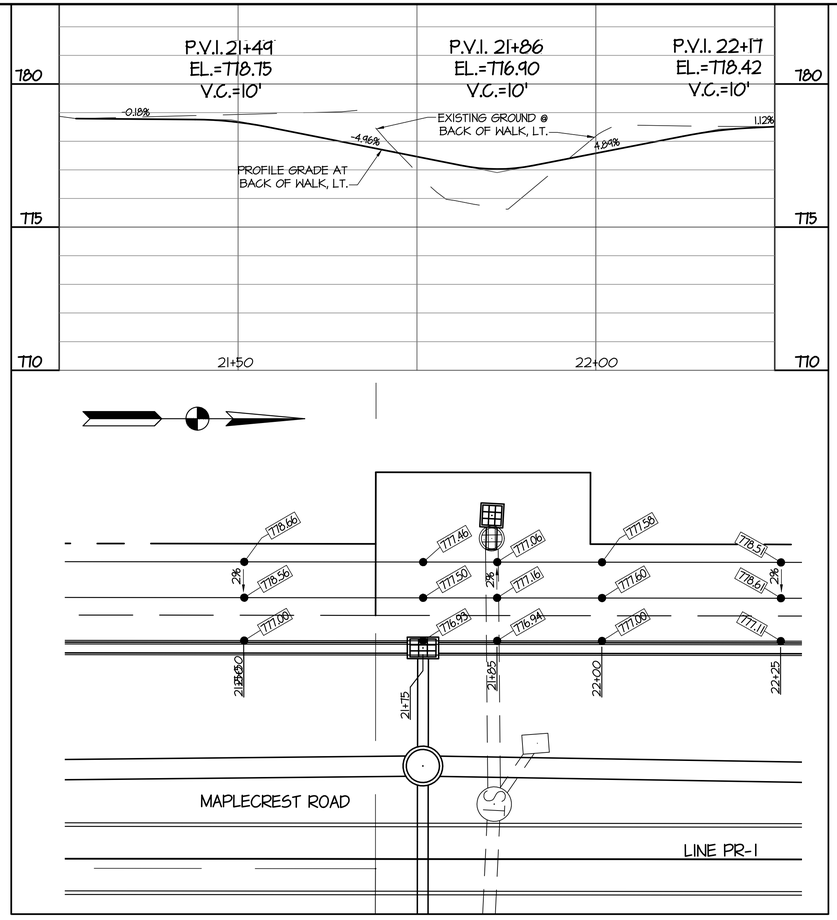
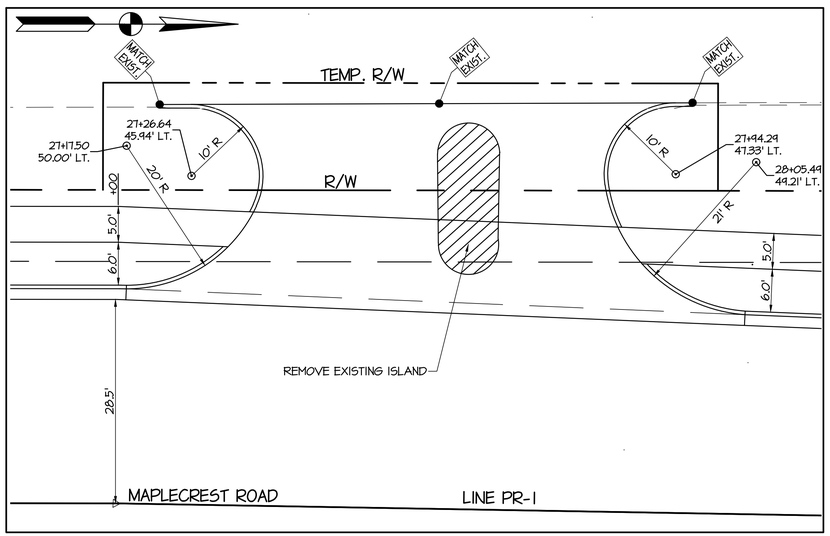
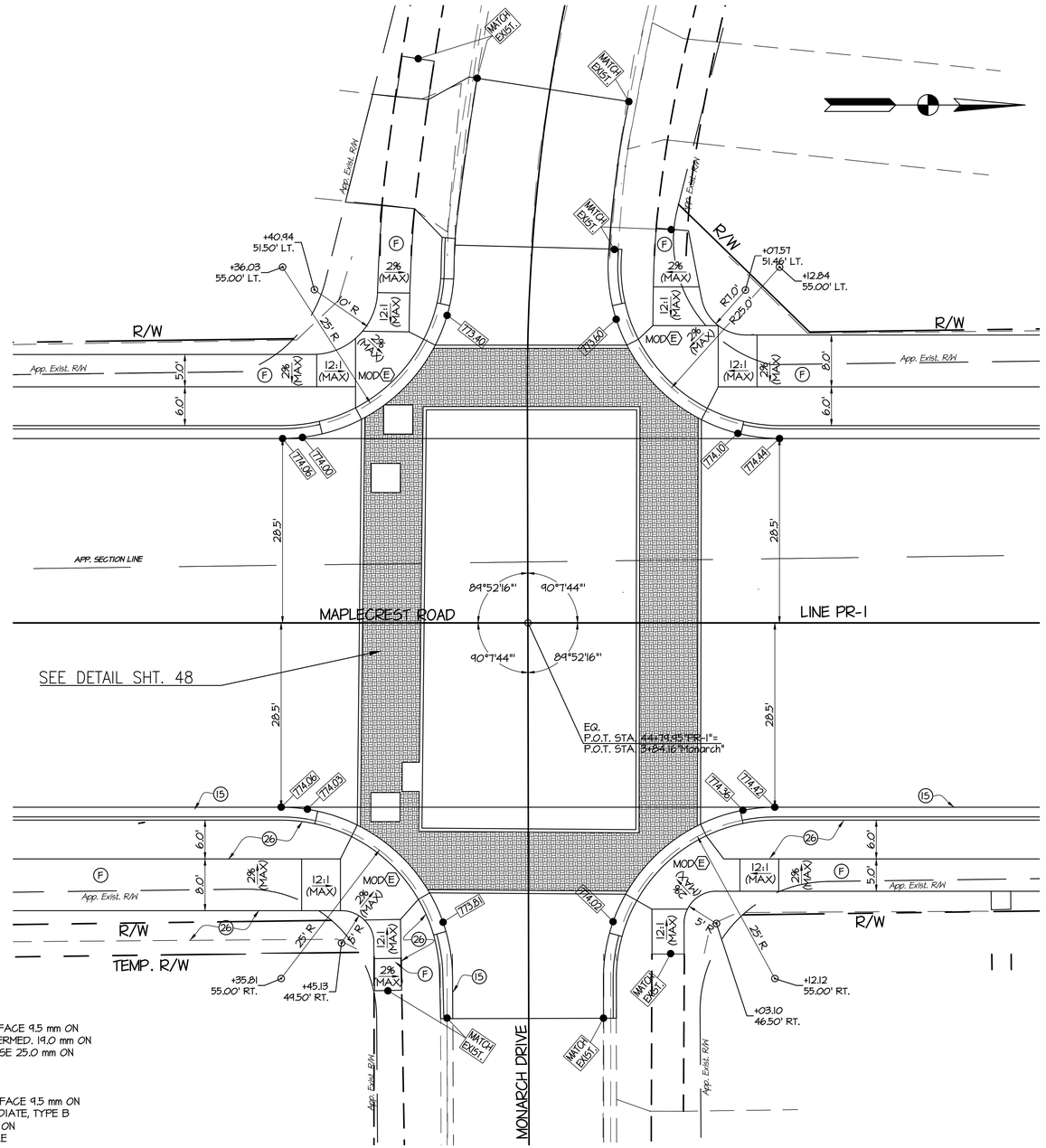




GEORGETOWN PLACE ENTRANCE



LEGEND

(K) HMA FOR MAINLINE
165 #/SY HMA QC/QA, 4, 64, SURFACE 9.5 mm ON
275 #/SY HMA QC/QA, 4, 64, INTERMED. 19.0 mm ON
440 #/SY HMA QC/QA, 4, 64, BASE 25.0 mm ON
SUBGRADE TREATMENT TYPE IA

(R) HMA FOR RESURFACING
165 #/SY HMA QC/QA, 4, 64, SURFACE 9.5 mm ON
VARIABLE DEPTH HMA INTERMEDIATE, TYPE B
(MIN. 110 #/SY, MAX. 330 #/SY) ON
MILLING, SCARIFICATION/PROFILE

(W) HMA FOR WIDENING
165 #/SY HMA QC/QA, 4, 64, SURFACE 9.5 mm ON
275 #/SY HMA QC/QA, 4, 64, INTERMED. 19.0 mm ON
440 #/SY HMA QC/QA, 4, 64, BASE 25.0 mm ON
SUBGRADE TREATMENT TYPE IA

(F) SIDEWALK, CONCRETE, 4"

(15) CURB AND GUTTER, COMBINED, CONCRETE, MODIFIED

(B) HMA FOR APPROACHES
165 #/S.Y. HMA SURFACE, TYPE B ON
275 #/S.Y. HMA INTERMED. TYPE B ON
880 #/S.Y. HMA BASE, TYPE B ON
SUBGRADE TREATMENT TYPE IIIA

(-) CURB RAMP, CONCRETE, TYPE "-"

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CITY OF FORT WAYNE
MAPLECREST ROAD IMPROVEMENTS

INTERSECTION DETAIL
MAPLECREST RD & MONARCH RD

HORIZONTAL SCALE	1" = 10'
VERTICAL SCALE	N.T.S.
DESIGNATION	0500695
SHEETS	42 of 82
CONTRACT	R-33886
PROJECT NUMBER	0500695

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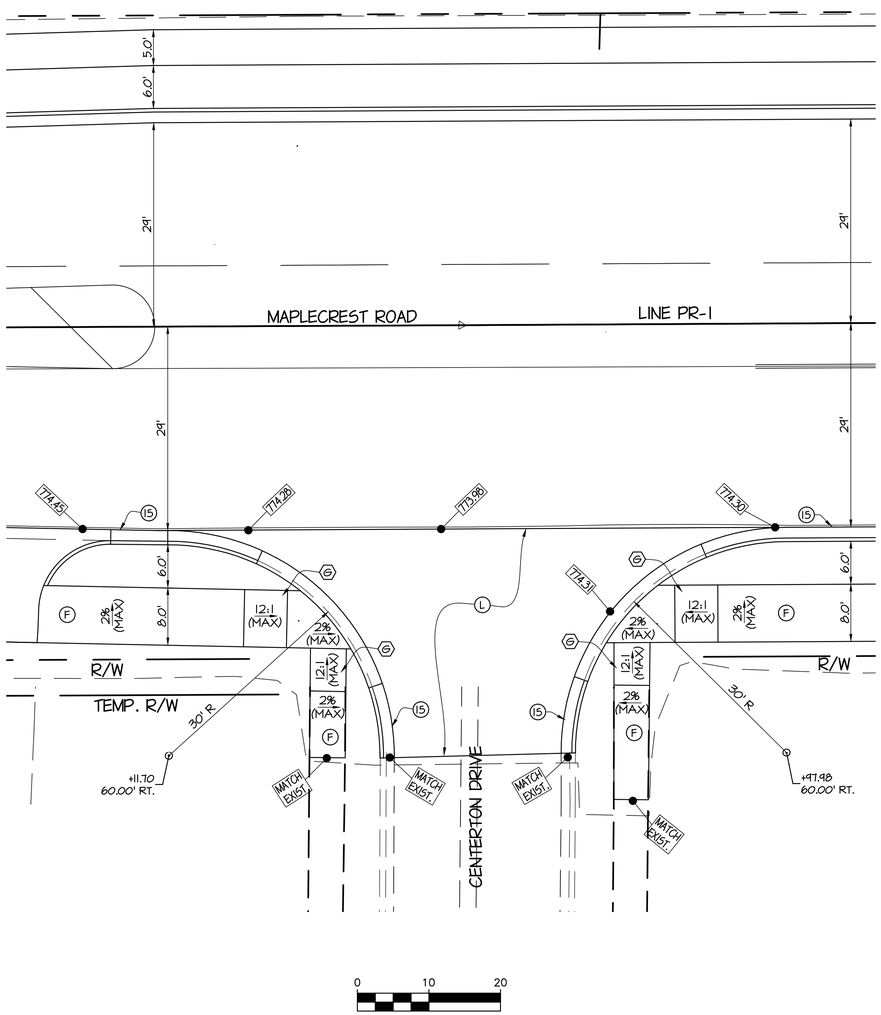

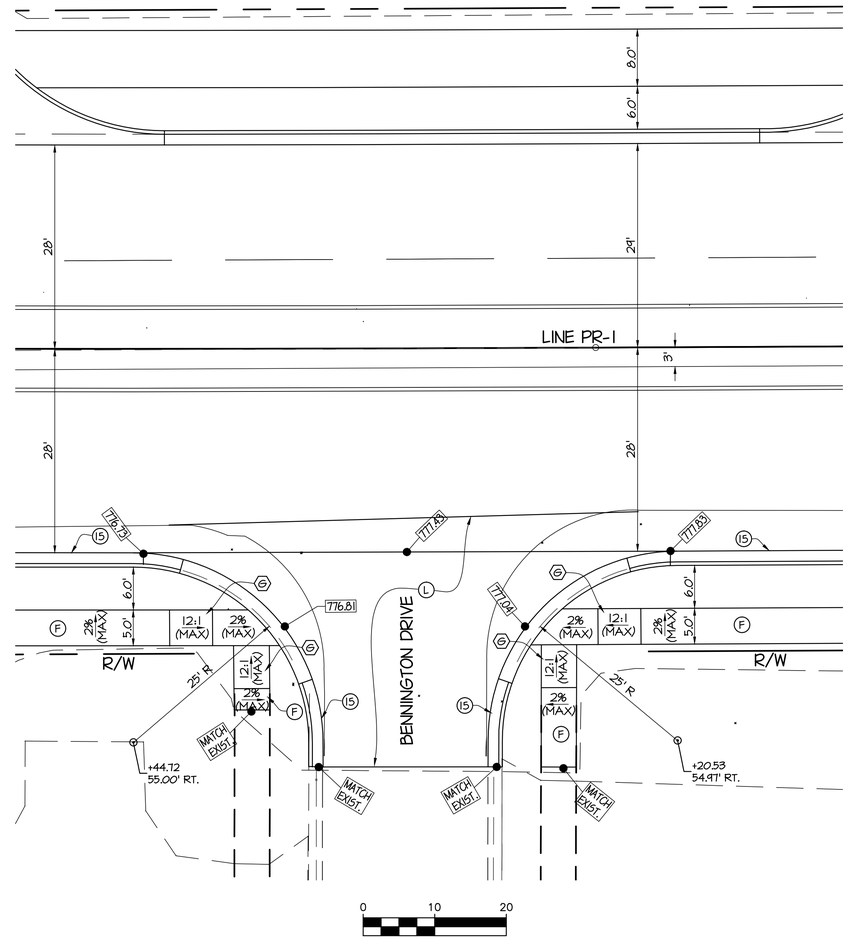

LEGEND

- (L) HMA FOR APPROACHES, TYPE B
  165 #/SY HMA SURFACE 9.5 mm ON
  275 #/SY HMA INTERMED. 19.0 mm ON
  440 #/SY HMA BASE 25.0 mm ON
  SUBGRADE TREATMENT TYPE 1A
- (F) SIDEWALK, CONCRETE, 4"
- (15) CURB AND GUTTER, COMBINED, CONCRETE, MODIFIED
- (-) CURB RAMP, CONCRETE, TYPE "-"

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CITY OF FORT WAYNE
MAPLECREST ROAD IMPROVEMENTS

INTERSECTION DETAIL
MAPLECREST RD & STATE BLVD

HORIZONTAL SCALE	
1" = 10'	
VERTICAL SCALE	
N.T.S.	

DESIGNATION	SHEETS
0500695	43 of 82
CONTRACT	PROJECT NUMBER
R-33886	0500695

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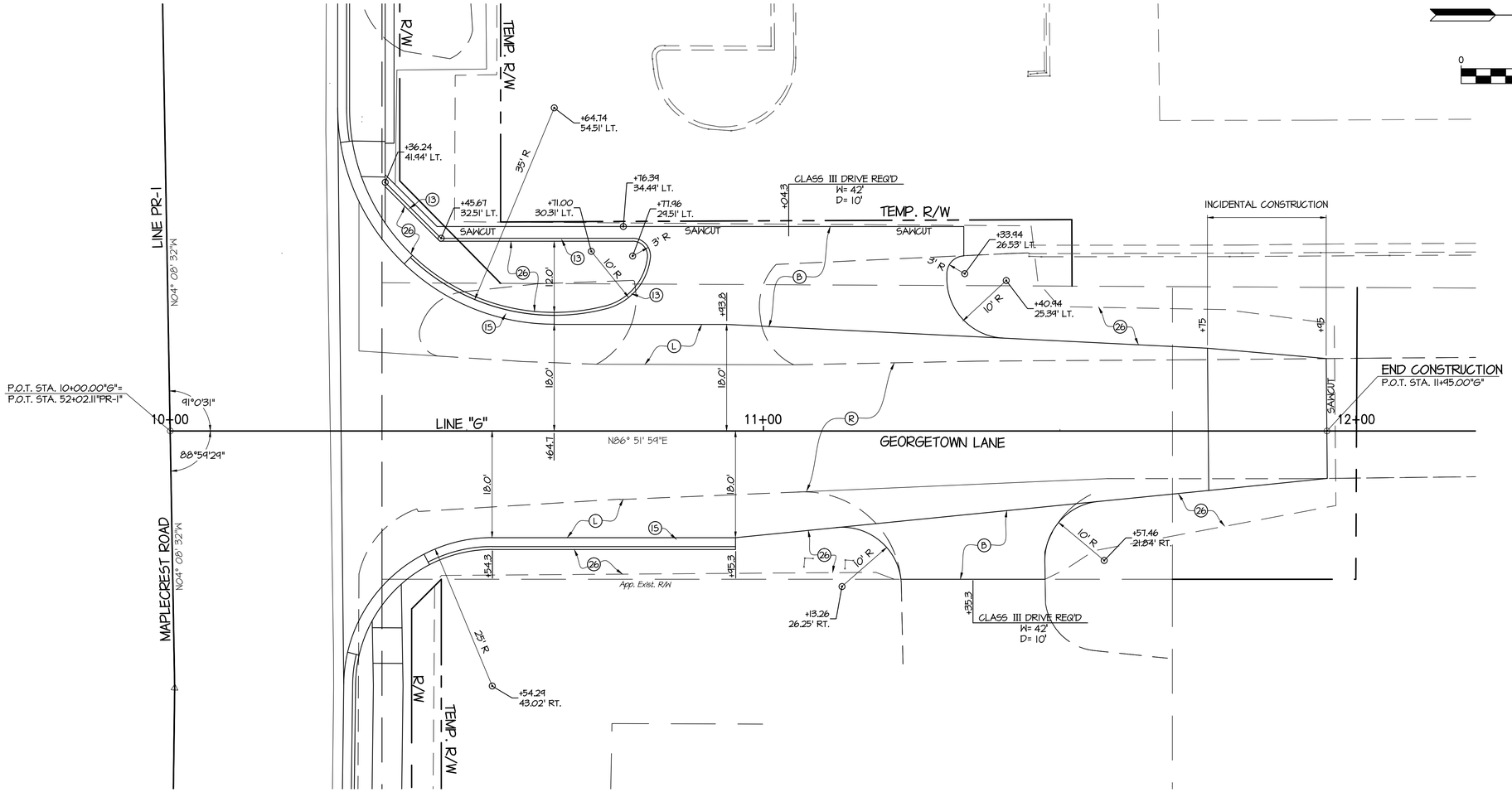

LEGEND

- (L) HMA FOR APPROACHES, TYPE B
  165 #/SY HMA SURFACE 9.5 mm ON
  275 #/SY HMA INTERMED. 19.0 mm ON
  440 #/SY HMA BASE 25.0 mm ON
  SUBGRADE TREATMENT TYPE IA
- (B) HMA FOR APPROACHES
  165 #/S.Y. HMA SURFACE, TYPE B ON
  275 #/S.Y. HMA INTERMED. TYPE B ON
  880 #/S.Y. HMA BASE, TYPE B ON
  SUBGRADE TREATMENT TYPE IIIA
- (R) HMA FOR RESURFACING
  165 #/SY HMA QC/QA, 4, 64, SURFACE 9.5 mm ON
  VARIABLE DEPTH HMA INTERMEDIATE, TYPE B
  (MIN. 110 #/SY, MAX. 330 #/SY) ON
  MILLING, SCARIFICATION/PROFILE
- (13) CONCRETE CURB, 6"
- (15) CURB AND GUTTER, COMBINED, CONCRETE, MODIFIED
- (26) SODDING, NURSERY

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DESIGN ENGINEER DATE

DESIGNED: JLS DRAWN: JLS
CHECKED: CHECKED:

CITY OF FORT WAYNE
MAPLECREST ROAD IMPROVEMENTS

INTERSECTION DETAIL
MAPLECREST RD & GEORGETOWN LN

HORIZONTAL SCALE	
1" = 20'	
VERTICAL SCALE	
N.T.S.	

DESIGNATION	SHEETS
0500695	44 of 82
CONTRACT	PROJECT NUMBER
R-33886	0500695

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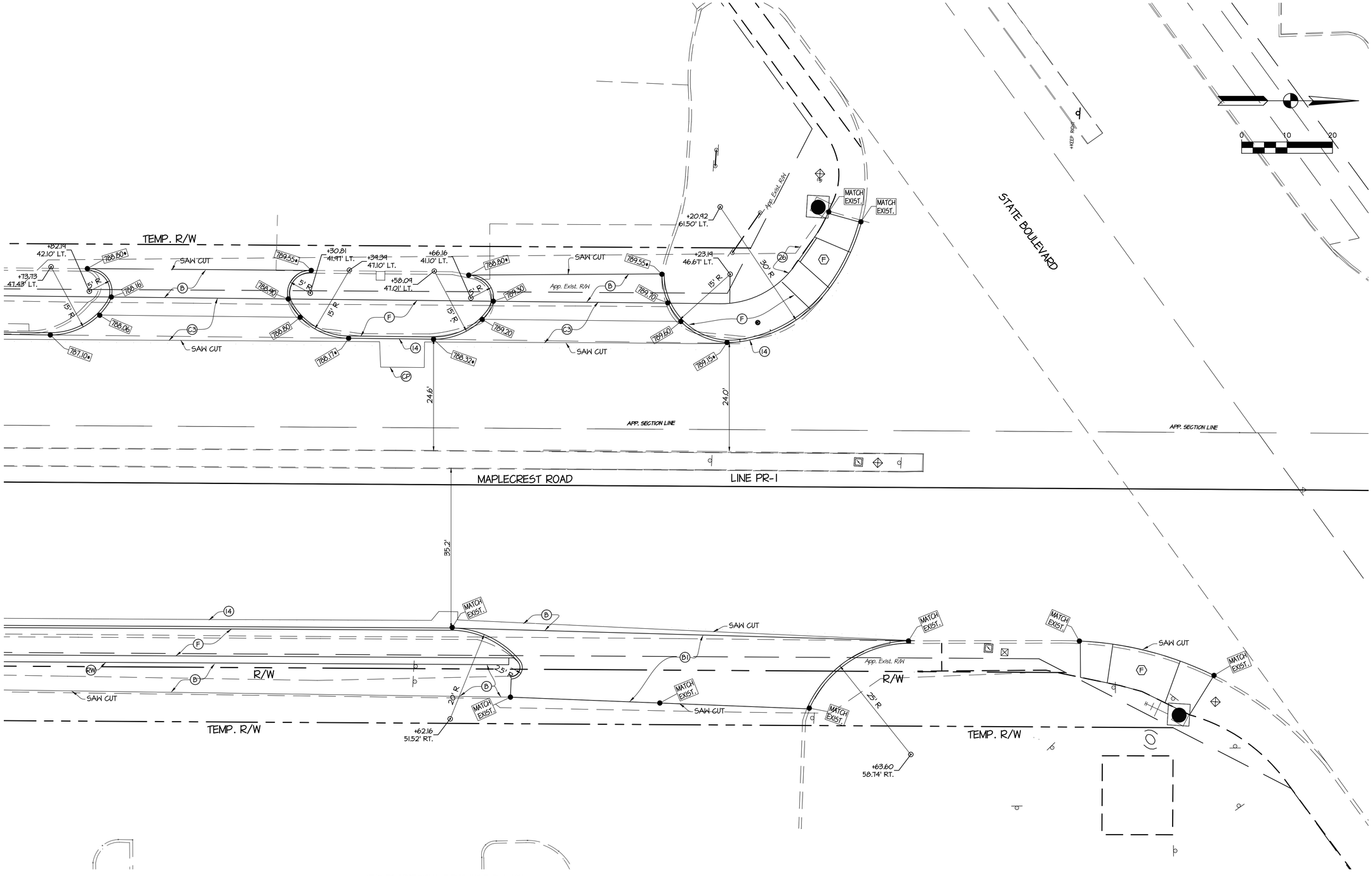

LEGEND

- (B) HMA FOR APPROACHES
  165 #/S.Y. HMA SURFACE, TYPE B ON
  275 #/S.Y. HMA INTERMED. TYPE B ON
  880 #/S.Y. HMA BASE, TYPE B ON
  SUBGRADE TREATMENT TYPE IIIA
- (B1) 165#/S.Y. HMA FOR APPROACHES, TYPE B ON EXISTING PAVEMENT
- (C3) PCCP FOR APPROACHES, 9 IN. ON SUBGRADE TREATMENT TYPE IIIA
- (CP) PCCP FOR STRUCTURE INSTALLATION
  PCCP, 9" ON
  4" COARSE AGGREGATE NO. 8 ON
  6" COMPACTED AGGREGATE NO. 53
- (F) SIDEWALK, CONCRETE, 4"
- (14) CURB, INTEGRAL, CONCRETE
- (<) CURB RAMP, CONCRETE, TYPE "-"
- (26) SODDING, NURSERY
- (RW) MODULAR BLOCK WALL

*- DENOTES APPROXIMATE EXISTING ELEVATION. CONTRACTOR SHALL MEET EXISTING GRADE AT THESE LOCATIONS.

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CHECKED: — CHECKED:

CITY OF FORT WAYNE
MAPLECREST ROAD IMPROVEMENTS

INTERSECTION DETAIL
MAPLECREST RD & STATE BLVD

HORIZONTAL SCALE	1" = 10'
VERTICAL SCALE	N.T.S.

DESIGNATION	SHEETS
0500695	45 of 82
CONTRACT	PROJECT NUMBER
R-33886	0500695

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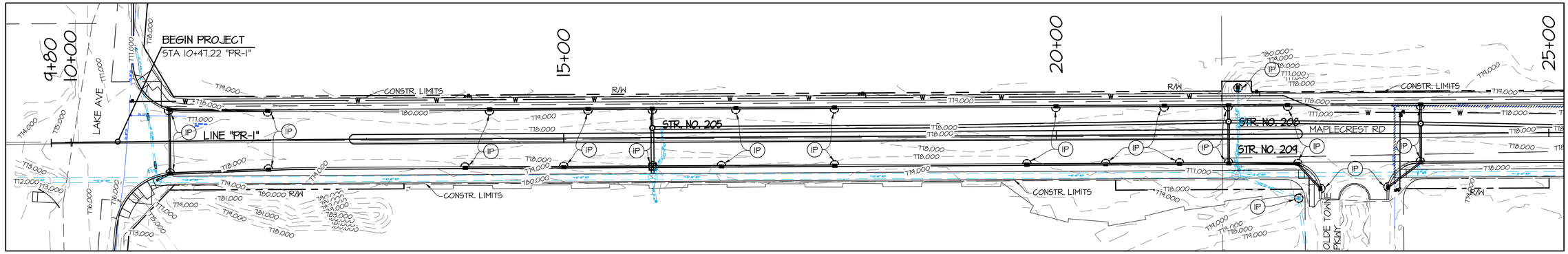

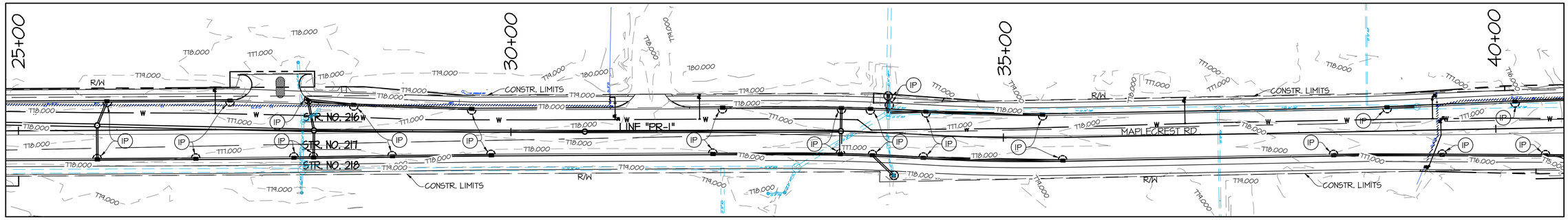

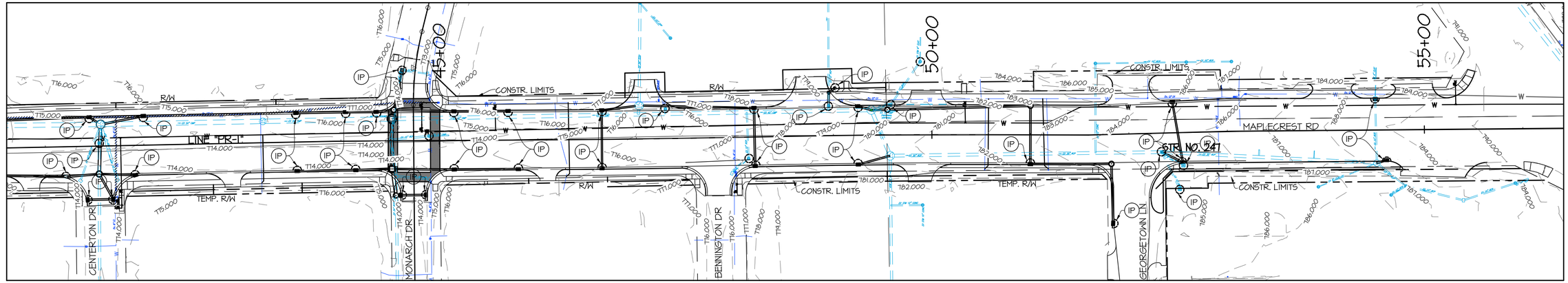

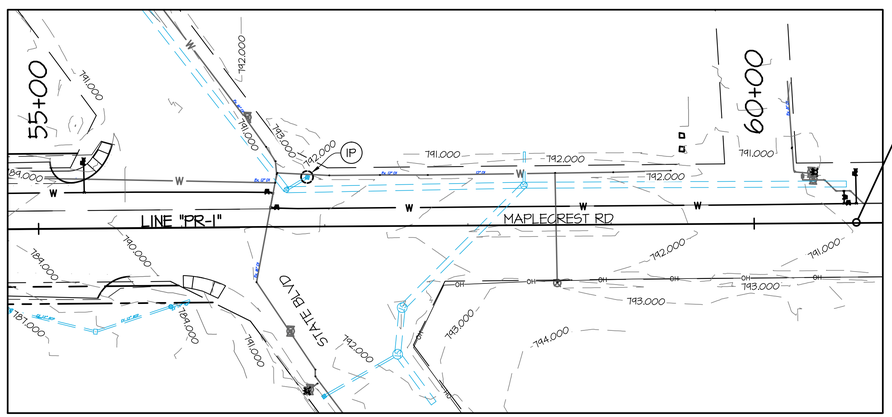

END PROJECT
STA 60+11.40 "PR-1"

EROSION CONTROL SUMMARY

LOCATION	INLET PROTECTION	
LINE "PR-1"	EACH	
10+44.12 TO 25+00	29	
25+00 TO 40+00	28	
40+00 TO 55+00	38	
55+00 TO 60+11.40	1	
TOTALS	96	

LEGEND

(IP) INLET PROTECTION

0 50' 100'

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CHECKED: AJO | CHECKED: AJO

CITY OF FORT WAYNE
MAPLECREST ROAD IMPROVEMENTS

TEMPORARY EROSION & SEDIMENT CONTROL

HORIZONTAL SCALE	
1" = 50'	
VERTICAL SCALE	
N/A	

DESIGNATION	SHEETS
0500695	46 of 82
CONTRACT	PROJECT NUMBER
R-33886	0500695

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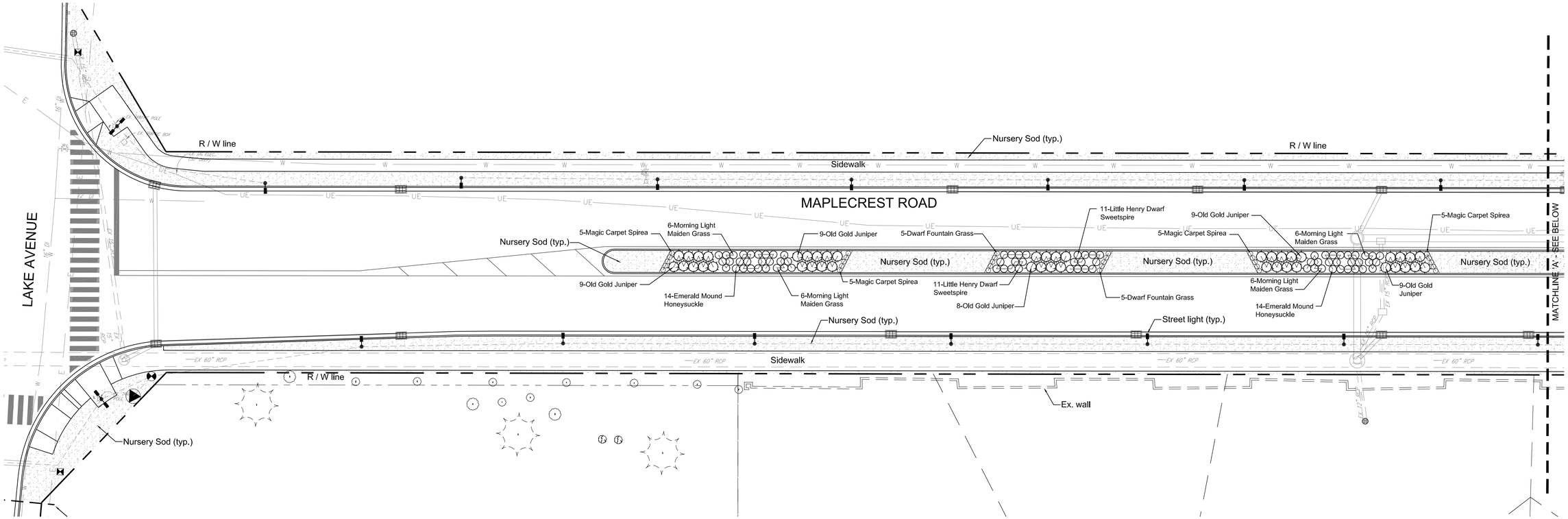

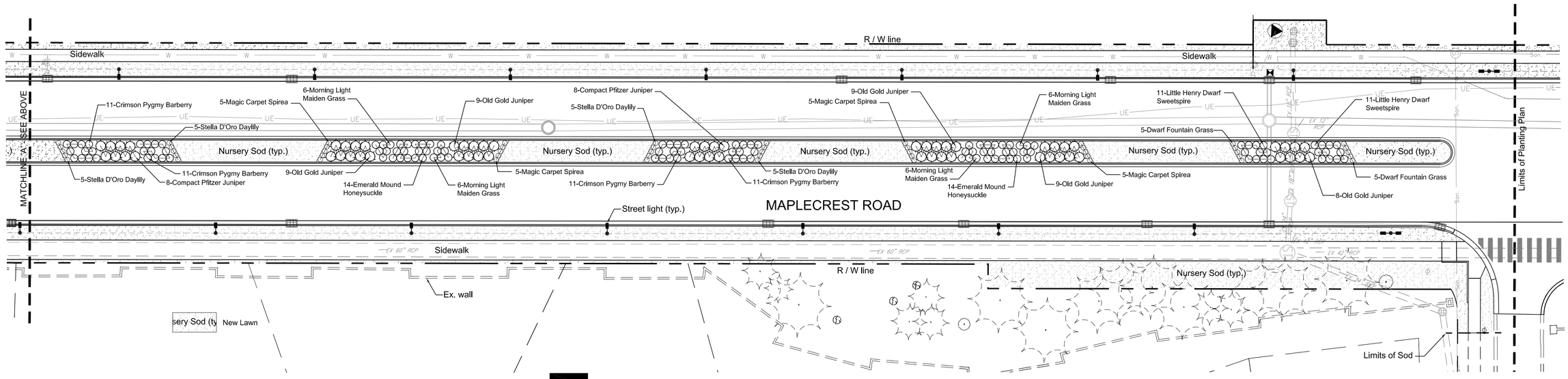

NORTH
SCALE: 1"=20'

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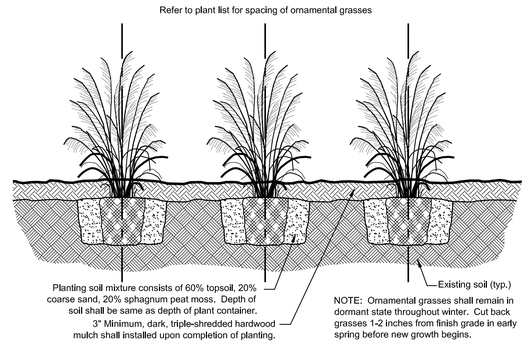
CITY OF FORT WAYNE
MAPLECREST ROAD IMPROVEMENTS

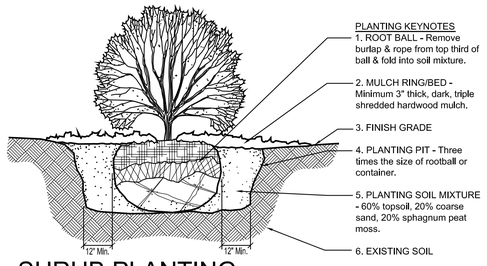
PLANTING
PLAN

HORIZONTAL SCALE	
1"=20'	
VERTICAL SCALE	
NONE	
DESIGNATION	SHEETS
0500695	47 of 82
CONTRACT	PROJECT NUMBER
R-33886	0500695



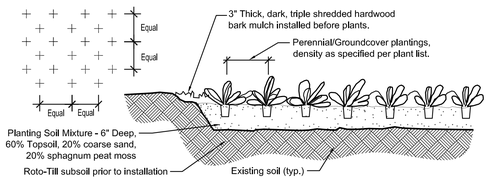
ORNAMENTAL GRASS PLANTING DETAIL

SCALE: N.T.S. The LandPlan Group, LLC



SHRUB PLANTING

Scale: N.T.S. The LandPlan Group, LLC



PERENNIAL/GROUNDCOVER PLANTING

SCALE: N.T.S. The LandPlan Group, LLC

PLANT MATERIAL LIST

SHRUBS

QTY.		BOTANICAL NAME	COMMON NAME	SIZE	REMARKS
44	-	Berberis thunbergii 'A. Nana'	Crimson Pygmy Barberry	18" spr. 3 gal. cont.	
44	-	Itea virginica 'Sprich'	Little Henry Dwarf Sweetspire	18" spr. 3 gal. cont.	
88	-	Juniperus chinensus 'Old Gold'	Old Gold Juniper	24" spr. B&B	
16	-	Juniperus chinensus 'Pfitzeriana Compacta'	Compact Pfitzer Juniper	24" spr. B&B	
56	-	Lonicera x 'Emerald Mound'	Emerald Mound Honeysuckle	18" spr. 3 gal. cont.	
40	-	Spirea x bumalda 'Magic Carpet'	Magic Carpet Spirea	15" spr. 3 gal. cont.	

GROUNDCOVERS & ORNAMENTAL GRASSES

QTY.		BOTANICAL NAME	COMMON NAME	SIZE	REMARKS
48	-	Miscanthus sinensis 'Morning Light'	Morning Light Maiden Grass	3 gal. cont.	
20	-	Pennisetum alopecuroides 'Hameln'	Dwarf Fountain Grass	3 gal. cont.	

PERENNIALS & VINES

QTY.		BOTANICAL NAME	COMMON NAME	SIZE	REMARKS
20	-	Hemerocallis 'Stella D'Oro'	Stella D'Oro Daylily	2 gal. cont.	

GENERAL PLANTING NOTES:

1. Work shall be done in accordance with the Landscape Planting Plans prepared by The LandPlan Group, L.L.C (TLPG).
2. Contractor shall secure necessary permits and approvals from agencies governing the landscape work prior to beginning work.
3. Contractor responsible for keeping the premises and adjacent construction equipment clean and free of dirt and debris.
4. Contractor shall field verify existing utility line locations prior to construction. Deviations from the design locations shall be reported to TLPG at (260) 422-2522 prior to relocation. Contractor responsible for repairing damage to utilities and structures which occur as a result of the landscape construction.
5. Contractor responsible for coordinating and scheduling landscape related work with other contractors and trades.
6. Contractor shall notify TLPG immediately if discrepancies in the construction documents are found.
7. Contractor responsible for performing finish grading in conjunction with sodding the site. Contractor shall ensure that the finish grade of lawn and planting areas is flush with the adjacent hardscape elements (such as curbs and walks).
8. Contractor responsible for providing and installing approved planting soil mix in shrub planting pits, groundcover areas, and perennial and annual planting areas per the planting details. Approved planting soil mix shall consist of 60% topsoil, 20% Canadian sphagnum peat moss and 20% coarse, washed sand.
9. Plant material may be field checked and approved by TLPG for accuracy of spacing prior to planting. Plants not arranged per the Landscape Planting Plans will be relocated at Contractor's expense.
10. Contractor shall inspect backfill and placement of topsoil to determine whether or not a "Hardpan" situation exists or could exist due to previous soil conditions, placement of and compaction of fill during construction, or any other contributing factor prior to installation of plant materials. If such a situation is found or anticipated, it should be brought to the attention of TLPG and/or Owner immediately, and prior to the installation of plant material, for a remedy. Contractor responsible for plant replacement if plant material is planted in a "Hardpan" situation.
11. Herbicide shall be applied to plant beds prior to planting for noxious weed control. control.
12. Planting beds shall have a minimum of 3" thick, triple-shredded, dark hardwood mulch. Planting bed edges shall be a 3-4" deep natural spade or machine trenched edge in the shape as shown on the landscape planting plans.
13. Dimensions for heights and spreads specified on the Plant List are general guides for the minimum desired size of each plant. Each plant shall have a uniform and consistent shape as it pertains to the latest edition of American Standard for Nursery Stock. Plant material which fails to conform to the specifications is subject to rejection by Owner/TLPG.
14. Contractor responsible for providing positive drainage out of planting islands and planting areas between hardscape elements (such as curbs and walks).
15. Contractor shall completely guarantee all plant material for the period of one (1) full year beginning at the date of total acceptance by the Owner/TLPG. Contractor shall promptly make replacements before or at the end of the guarantee period as the growing season permits.

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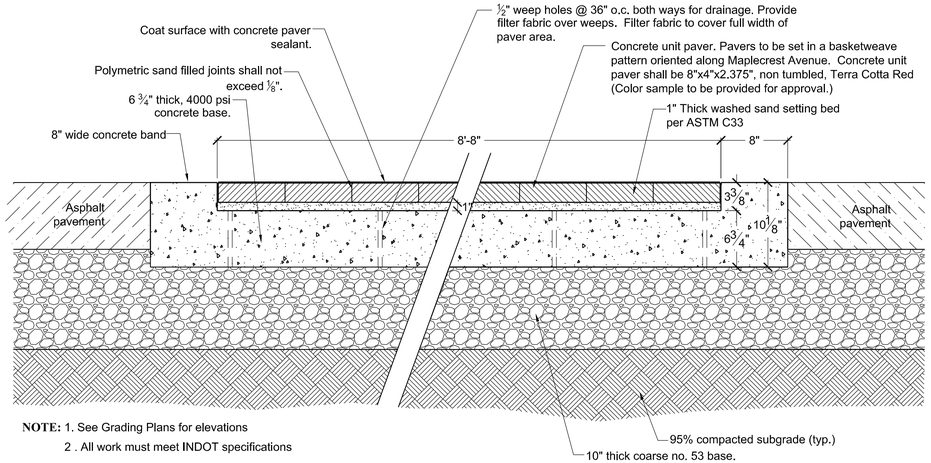
CHECKED: GAB
CHECKED: GAB

CITY OF FORT WAYNE
MAPLECREST ROAD IMPROVEMENTS

RAILING, WALL AND PLANTING DETAILS

HORIZONTAL SCALE	VARIES
NONE	
VERTICAL SCALE	
NONE	

DESIGNATION	SHEETS
0500695	48 of 82
CONTRACT	PROJECT NUMBER
R-33886	0500695

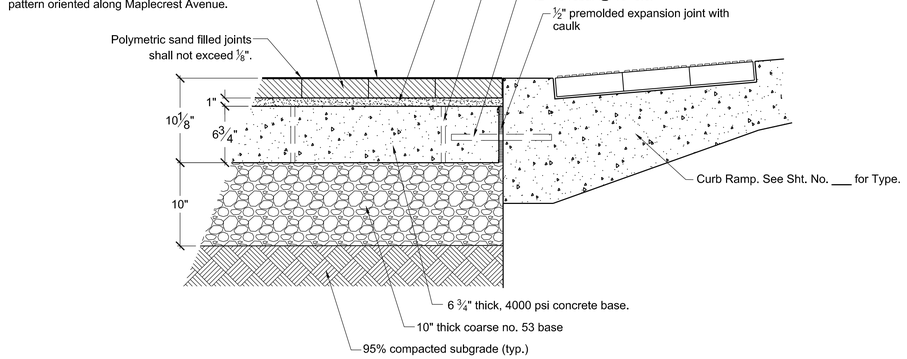


NOTE: 1. See Grading Plans for elevations

2 . All work must meet INDOT specifications

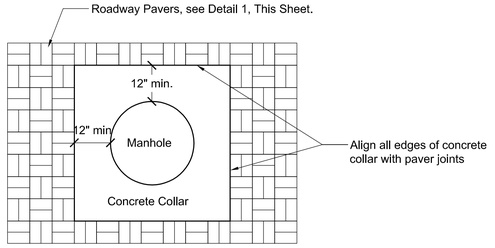
1 Roadway Pavers Detail

SCALE: 1-1/2" = 1'-0"

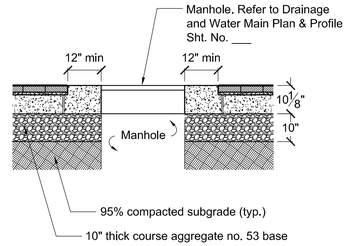


2 Roadway Pavers at Curb Ramp

SCALE: 1-1/2" = 1'-0"



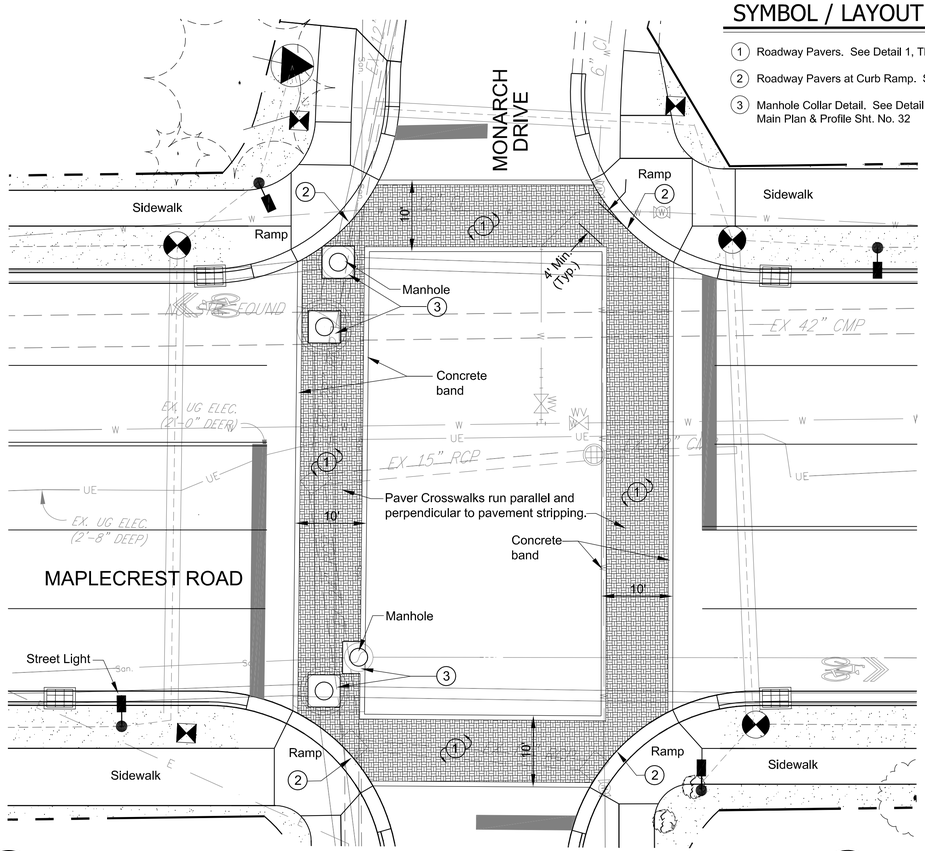
PLAN VIEW



SECTION VIEW

3 Manhole Collar Detail

SCALE: 1/2" = 1'-0"



4 PEDESTRIAN CROSSING AT MONARCH DRIVE

SCALE: 1" = 10'

SYMBOL / LAYOUT KEYNOTES

1. Roadway Pavers. See Detail 1, This Sheet.
2. Roadway Pavers at Curb Ramp. See Detail 2, This Sheet.
3. Manhole Collar Detail. See Detail 3, this sheet. Refer to Drainage and Water Main Plan & Profile Sht. No. 32

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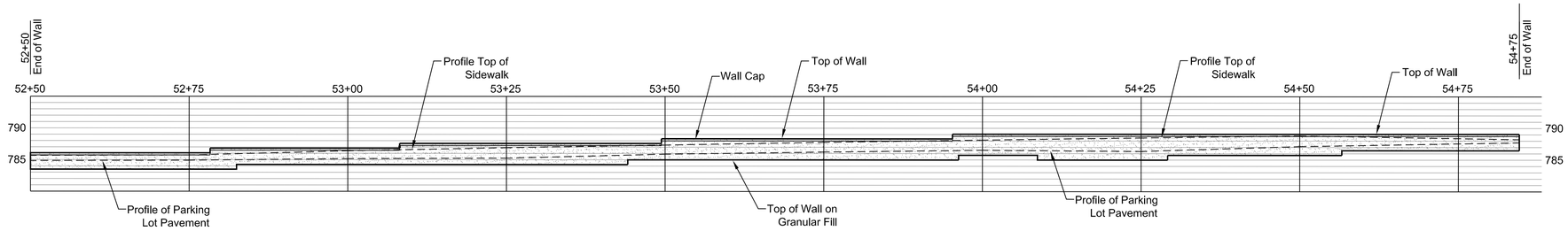
CITY OF FORT WAYNE
MAPLECREST ROAD IMPROVEMENTS

MONARCH DRIVE INTERSECTION

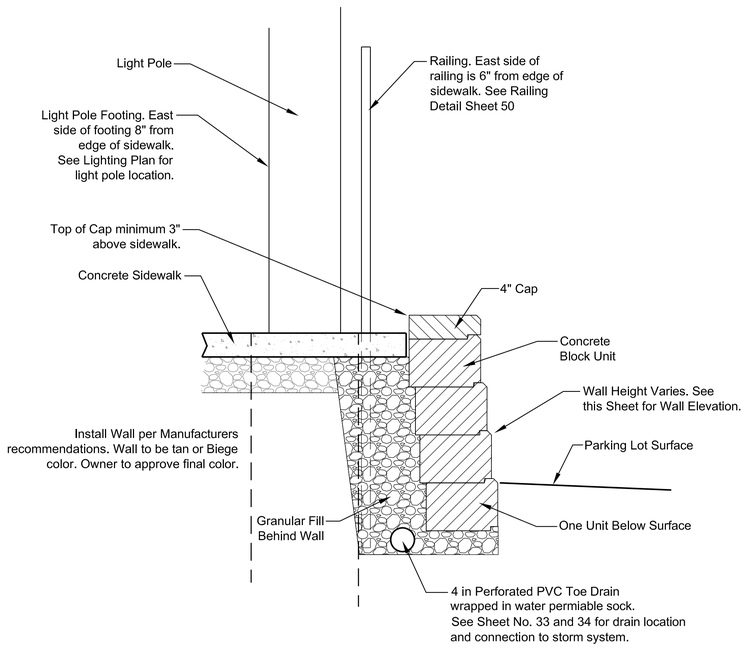
HORIZONTAL SCALE	
AS SHOWN	
VERTICAL SCALE	
AS SHOWN	

DESIGNATION	SHEETS
0500695	49 of 82
CONTRACT	PROJECT NUMBER
R-33886	0500695



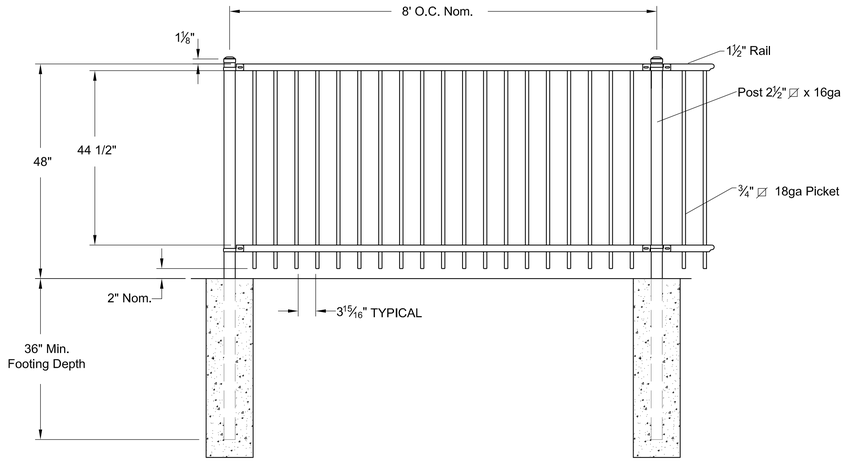
MODULAR BLOCK WALL ELEVATION

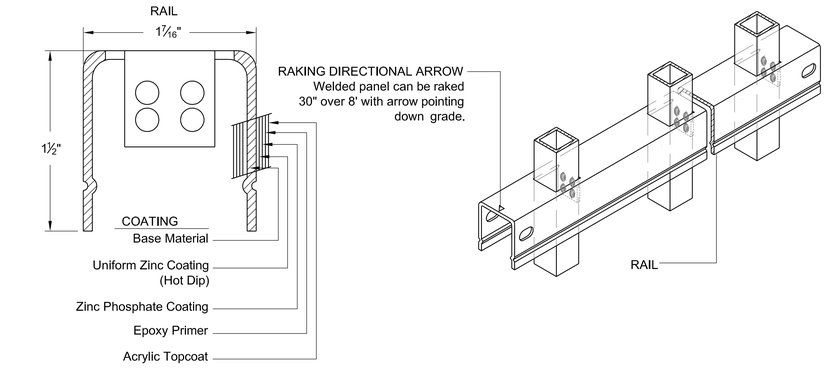
Scale: 1" = 10'



MODULAR BLOCK WALL DETAIL

Scale: 1"-0" = 1'





BARRIER RAILING DETAIL

SCALE: NTS

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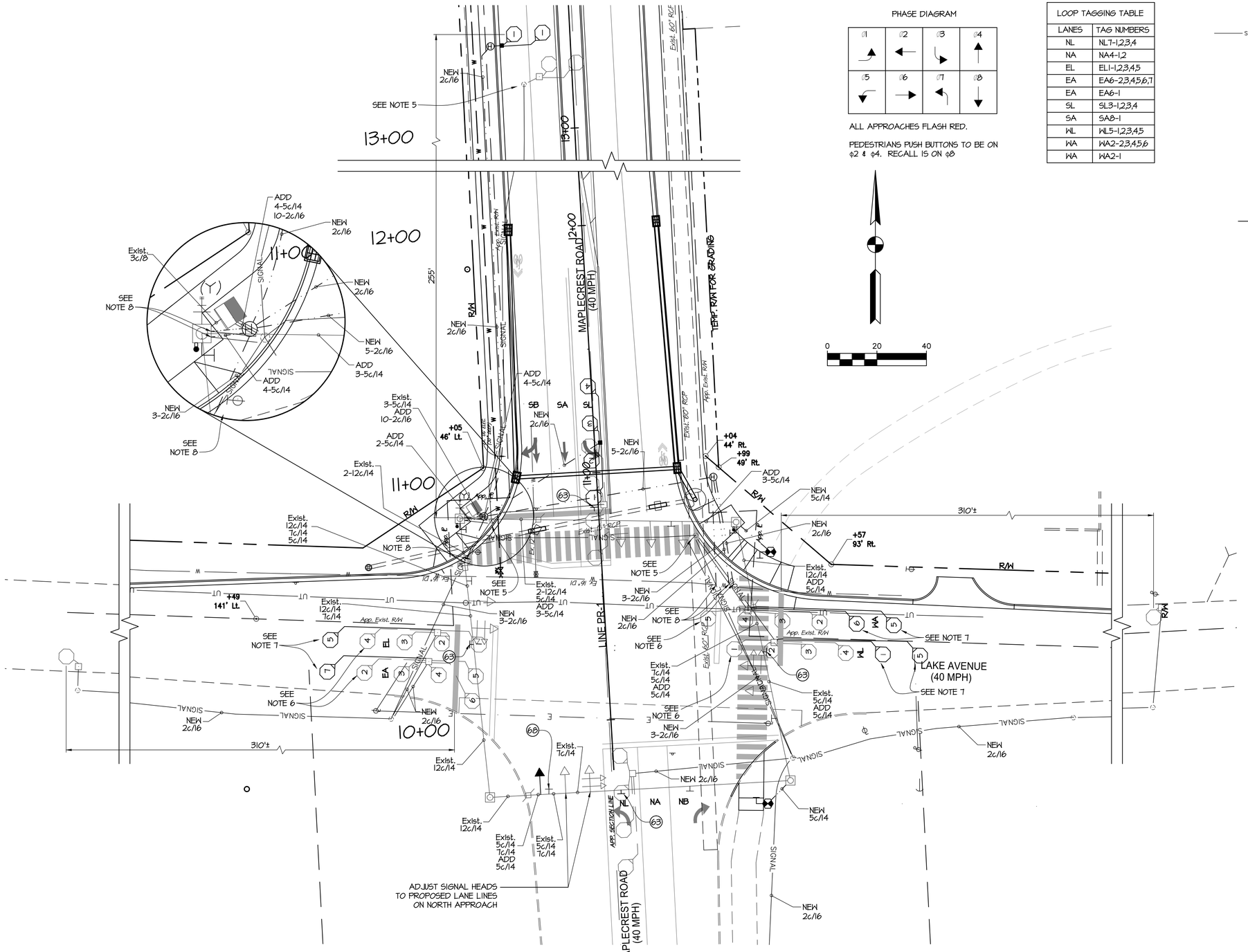
CITY OF FORT WAYNE
MAPLECREST ROAD IMPROVEMENTS

RAILING, WALL AND PLANTING DETAILS

HORIZONTAL SCALE	
AS SHOWN	
VERTICAL SCALE	
AS SHOWN	
DESIGNATION	SHEETS
0500695	50 of 82
CONTRACT	PROJECT NUMBER
R-33886	0500695



PHASE DIAGRAM

ALL APPROACHES FLASH RED.

PEDESTRIANS PUSH BUTTONS TO BE ON ϕ2 & ϕ4. RECALL IS ON ϕ8

LOOP TAGGING TABLE	
LANES	TAG NUMBERS
NL	NL7-1,2,3,4
NA	NA4-1,2
EL	EL1-1,2,3,4,5
EA	EA6-2,3,4,5,6,7
EA	EA6-1
SL	SL3-1,2,3,4
SA	SA8-1
WL	WL5-1,2,3,4,5
WA	WA2-2,3,4,5,6
WA	WA2-1

LEGEND

- SIGNAL — EXIST. 2" GALV. STEEL CONDUIT
- EXISTING TRAFFIC SIGNAL HEAD, 3-FACE, 12 IN. RED, AMBER, GREEN
- EXISTING TRAFFIC SIGNAL HEAD, 5-FACE, 12 IN. RED, AMBER, GREEN, AMBER ARROW, GREEN ARROW
- EXISTING DETECTOR LOOP
- EXISTING TRAFFIC SIGNAL CONTROLLER, TYPE P1
- EXISTING DISCONNECT HANGER
- EXISTING SIGNAL STRAIN POLE
- EXISTING DETECTOR HOUSING
- EXISTING HANDHOLE
- (Y) RADIO, YAGI ANTENNA
- 2 IN. GALVANIZED STEEL CONDUIT
- TRAFFIC SIGNAL HEAD, 3-FACE, 12 IN. RED, AMBER, GREEN
- DETECTOR HOUSING
- DETECTOR LOOP
- PEDESTAL
- PEDESTRIAN SIGNAL INDICATIONS
- PEDESTRIAN PUSH BUTTON (WITH SIGN)
- (63) EXIST. R3-5(L) MANDATORY MOVEMENT LANE CONTROL SIGN
- (68) RELOCATE EXIST. D3 (LAKE AVE) SIGN TO RIGHT OF NEW SIGNAL HEAD

SIGNALIZATION NOTES

1) ALL SIGNALIZATION WORK SHALL BE COORDINATED WITH THE CITY OF FORT WAYNE.
2) THE CONTRACTOR SHALL ENSURE THE CONDITION OF ALL EXISTING TRAFFIC SIGNAL IMPROVEMENTS INDICATED TO REMAIN.
3) ALL SIGNAL HEADS SHALL BE ALUMINUM ONLY.
4) ALL INDICATIONS SHALL BE L.E.D. TYPE.
5) REMOVE EXISTING HANDHOLE
6) DISCONNECT EXISTING DETECTOR LOOP.
7) ADD NEW DETECTOR LOOP(S) AT BACK OF EXISTING DETECTOR LOOP BANK.
8) INTERCEPT EXISTING CONDUIT
9) ADD NEW ADVANCE DETECTOR LOOP
10) PEDESTRIAN LED'S TO BE COUNTDOWN
11) ALL LED'S TO BE GELCORE OR DIALIGHT
12) TWO LOAD SWITCHES ARE REQUIRED FOR PEDESTRIAN SIGNALS.
13) PUSH BUTTONS REQUIRED FOR EAST AND WEST CROSSING
14) PEDESTRIANS FOR NORTH AND SOUTH CROSSING REST ON SIDEWALK

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DESIGN ENGINEER — DATE

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CHECKED: WWD/WJZ — CHECKED: WWD

CITY OF FORT WAYNE
MAPLECREST ROAD IMPROVEMENTS

SIGNALIZATION PLAN
MAPLECREST RD & LAKE AVE

HORIZONTAL SCALE	
1" = 20'	
VERTICAL SCALE	
N.T.S.	
DESIGNATION	SHEETS
0500695	51 of 82
CONTRACT	PROJECT NUMBER
R-33886	0500695

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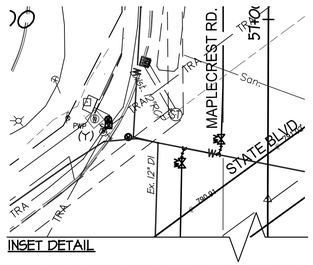
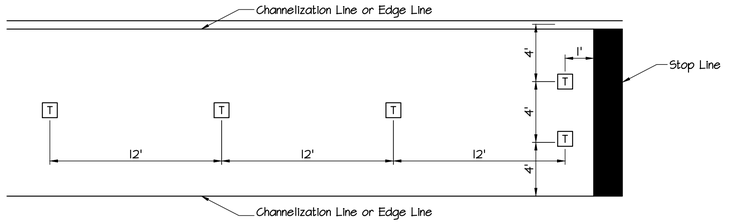


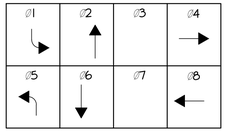
INSET DETAIL

1. INSTALL RADIO, YAGI ANTENNA ON N.W. STRAIN POLE AT STATE & MAPLECREST INTERSECTION
2. INSTALL RADIO, INTERCONNECT IN TRAFFIC SIGNAL CONTROLLER, N.W. CORNER OF INTERSECTION.



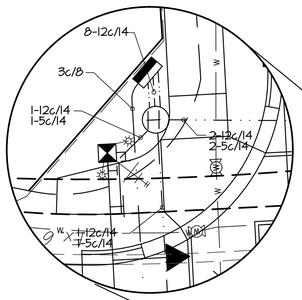
CITY OF FORT WAYNE WIRELESS DETECTION LAYOUT

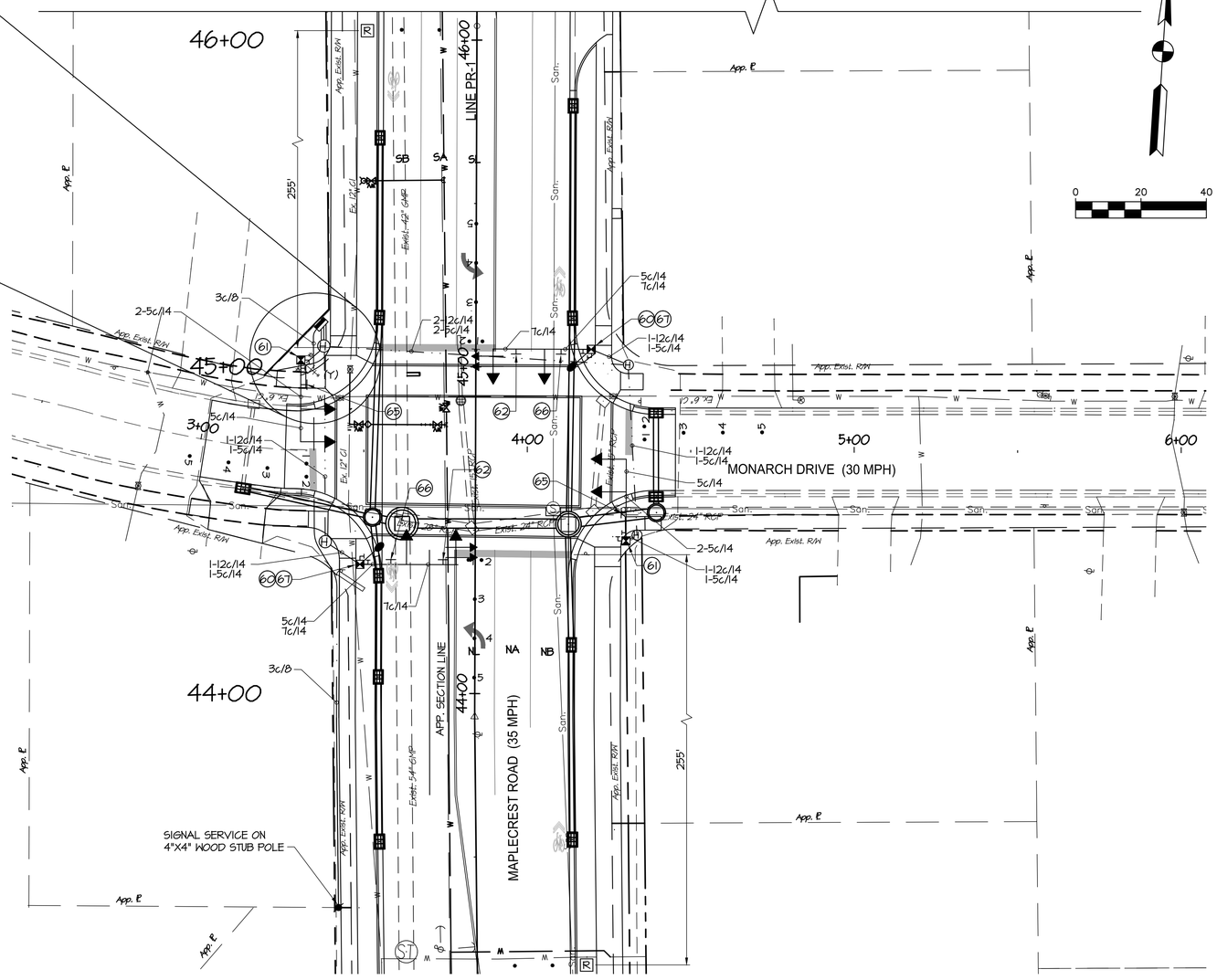
PHASE DIAGRAM



EAST & WEST FLASH RED.
NORTH & SOUTH FLASH AMBER.

LOOP TAGGING TABLE	
LANES	TAG NUMBERS
NL	NL5-1,2,3,4,5
NA	NA2-1
NB	NB2-1
EA	EA4-1,2,3,4,5
SL	SL1-1,2,3,4,5
SA	SA6-1
SB	SB6-1
WA	WA8-1,2,3,4,5





SIGNALIZATION NOTES

1) ALL SIGNALIZATION WORK SHALL BE COORDINATED WITH THE CITY OF FORT WAYNE.
2) ALL SIGNAL HEADS SHALL BE ALUMINUM ONLY. COLOR SHALL BE YELLOW AND INCLUDE ABBREVIATED HOODS
3) ALL SIGNAL AND PEDESTRIAN INDICATIONS SHALL BE L.E.D. TYPE.
4) FOR D3 (METRO STREET NAME SIGNS), ATTACH ONE SIDE TO THE POLE SHAFT
5) PEDESTRIAN PUSH BUTTONS FOR PHASES 4 & 8. PEDESTRIANS REST ON WALK DURING PHASES 2 & 6. FOUR PUSH BUTTON SIGNS WITH ARROWS REQUIRED.
6) TYPE T SENSORS ONLY VEHICLE PRESENCE
7) THERE SHOULD BE AT LEAST ¼" AND NO MORE THAN ½" OF CLEARANCE BETWEEN THE TOP OF THE SENSOR AND THE TOP OF THE PAVEMENT.
8) SEE SHT. NO. 57-62 FOR STREET LIGHTING POLES AND LUMINAIRE LOCATIONS.

LEGEND

- SIGNAL CANTILEVER POLE
- TRAFFIC SIGNAL HEAD, 3 FACE, 12 IN., RED, AMBER, GREEN
- TRAFFIC SIGNAL HEAD, 5-FACE, 12 IN., RED, AMBER, GREEN ARROW, GREEN ARROW
- CONTROLLER AND CABINET (SIEMENS EAGLE MODEL 52, TS2 TYPE 2 WIRED FOR ACTRA SYSTEM), MENU DRIVEN, 8 PHASE, ON TYPE P-1 FOUNDATION
- 4" X 4" WOOD STUB POLE
- WIRELESS MAGNETOMETER DETECTOR TYPE N
- RECEIVER PROCESSOR
- (R) WIRELESS REPEATER (MOUNTED ON STREET LIGHT POLE)
- (Y) RADIO, YAGI ANTENNA
- (H) HANDHOLE
- 2 IN. GALVANIZED STEEL CONDUIT
- PEDESTRIAN SIGNAL HEADS, COUNTDOWN TYPE
- (60) SIGNAL CANTILEVER STRUCTURE, SIGNAL MAST ARM 40 FT. WITH DRILLED SHAFT FOUNDATION TYPE B
- (61) SIGNAL CANTILEVER STRUCTURE, SIGNAL MAST ARM 25 FT. WITH DRILLED SHAFT FOUNDATION TYPE A
- (62) R10-12(L) "LEFT TURN YIELD ON GREEN" (30" x 36")
- (65) D3 (MAPLECREST ROAD)
- (66) D3 (MONARCH DRIVE)
- (67) COMBINATION POLE WITH 8 FT. MAST ARM W/ LUMINAIRE

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Fort Wayne, IN 46825
260.485.7077
www.oz-engineering.net

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DESIGNED: JLS/WWD | DRAWN: JLS
CHECKED: WWD/WJZ | CHECKED: WWD

CITY OF FORT WAYNE
MAPLECREST ROAD IMPROVEMENTS

SIGNALIZATION PLAN
MAPLECREST RD & MONARCH RD

HORIZONTAL SCALE	
1" = 20'	
VERTICAL SCALE	
N.T.S.	

DESIGNATION	SHEETS
0500695	52 of 82
CONTRACT	PROJECT NUMBER
R-33886	0500695

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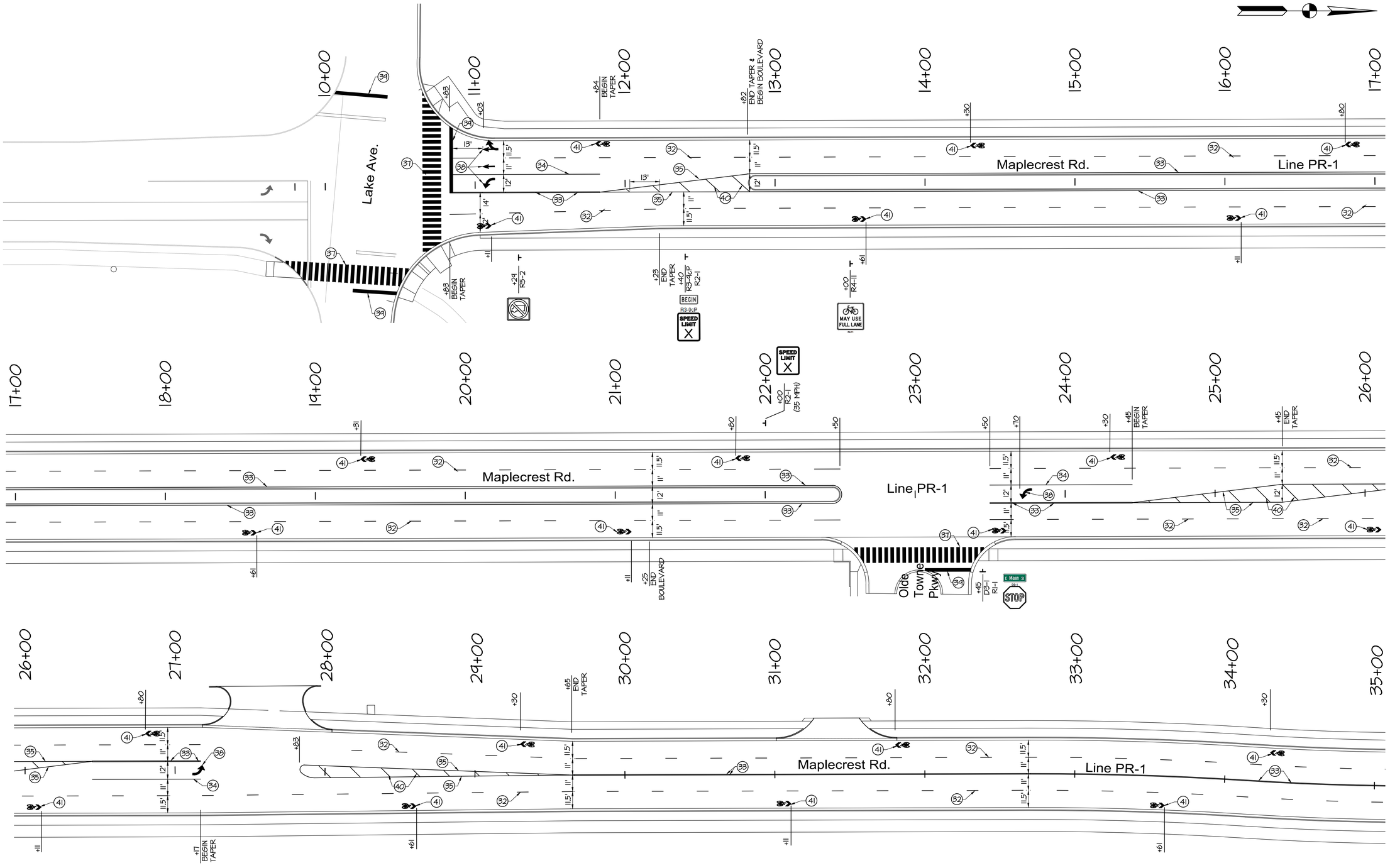

LEGEND

32	LINE, MULTI-COMPONENT, BROKEN, WHITE, 4 IN.	37	PAVEMENT MESSAGE MARKING, MULTI-COMPONENT, CROSSWALK, 24 IN. @ 24" O.C.
33	LINE, MULTI-COMPONENT, SOLID, YELLOW, 4 IN.	38	PAVEMENT MESSAGE MARKING, MULTI-COMPONENT, LANE INDICATION ARROW
34	LINE, MULTI-COMPONENT, SOLID, WHITE, 4 IN.	39	TRANSVERSE MARKINGS, MULTI-COMPONENT, STOP LINE, 24 INCHES
35	LINE, MULTI-COMPONENT, SOLID, YELLOW, 8 IN.	40	LINE, MULTI-COMPONENT, SOLID, CROSSHATCH, YELLOW, 12 IN. @ 20' O.C.
36	LINE, MULTI-COMPONENT, BROKEN, YELLOW, 4 IN.	41	PAVEMENT MESSAGE MARKING, MULTI-COMPONENT, SHARED LANE

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DESIGN ENGINEER — DATE

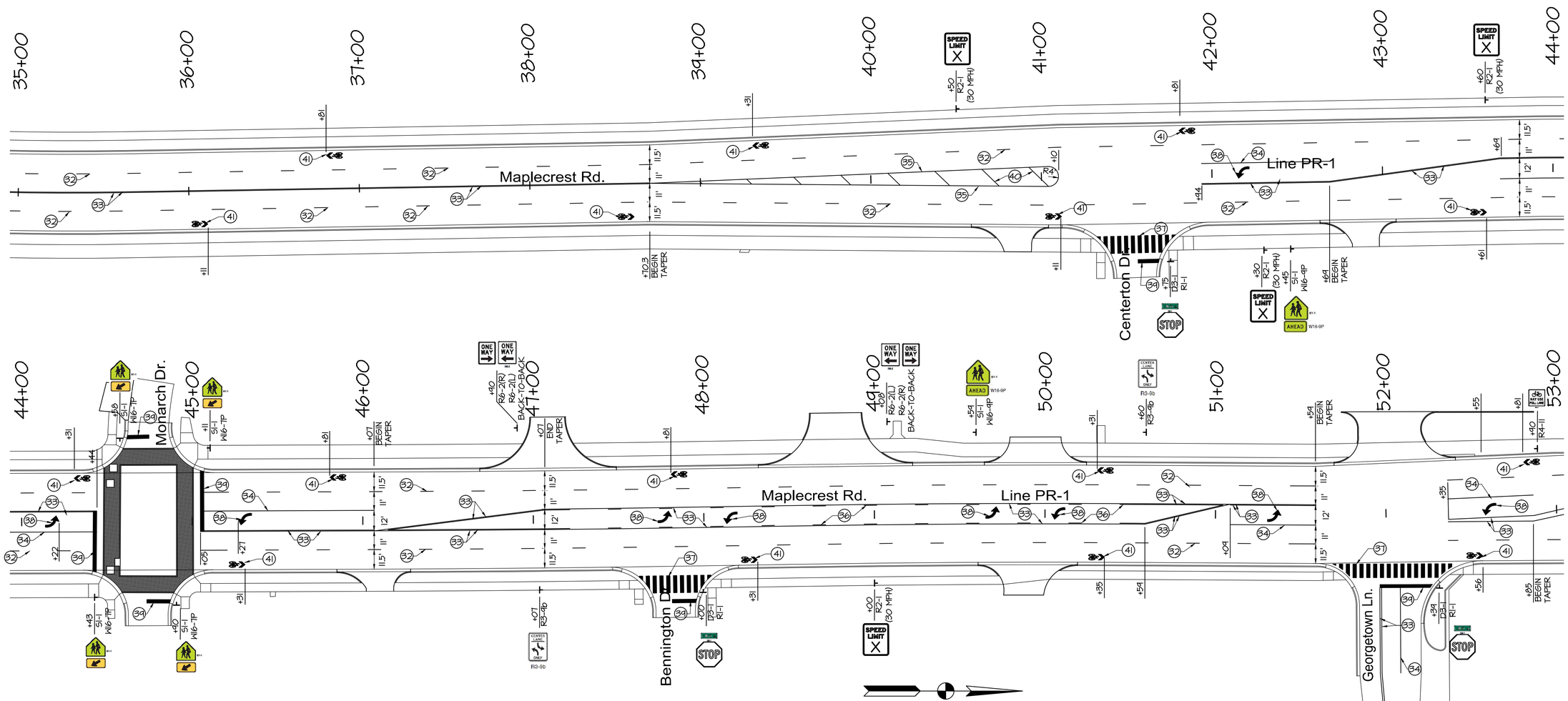
DESIGNED: JLS — DRAWN: JLS
CHECKED: AJO — CHECKED: AJO

CITY OF FORT WAYNE
MAPLECREST ROAD IMPROVEMENTS

PAVEMENT MARKINGS & SIGNAGE DETAILS
LINE "PR-1"

HORIZONTAL SCALE	
1" = 30'	
VERTICAL SCALE	
N/A	
DESIGNATION	SHEETS
0500695	53 of 82
CONTRACT	PROJECT NUMBER
R-33886	0500695

S:\2009 Projects\09-192 Fort Wayne - Maplecrest Road\CAD\PM01.dwg ---- 2/22/2013 10:40 AM ---- WesDowning



NOTE:
EXISTING LANE LINES IN CONFLICT WITH EXISTING LANE LINES SHALL BE REMOVED.

LEGEND

32	LINE, MULTI-COMPONENT, BROKEN, WHITE, 4 IN.	37	PAVEMENT MESSAGE MARKING, MULTI-COMPONENT, CROSSWALK, 24 IN. @ 24" O.C.
33	LINE, MULTI-COMPONENT, SOLID, YELLOW, 4 IN.	38	PAVEMENT MESSAGE MARKING, MULTI-COMPONENT, LANE INDICATION ARROW
34	LINE, MULTI-COMPONENT, SOLID, WHITE, 4 IN.	39	TRANSVERSE MARKINGS, MULTI-COMPONENT, STOP LINE, 24 INCHES
35	LINE, MULTI-COMPONENT, SOLID, YELLOW, 8 IN.	40	LINE, MULTI-COMPONENT, SOLID, CROSSHATCH, YELLOW, 12 IN. @ 20' O.C.
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DESIGNED: JBS | DRAWN: JLS
CHECKED: AJO | CHECKED: AJO

CITY OF FORT WAYNE
MAPLECREST ROAD IMPROVEMENTS

PAVEMENT MARKINGS & SIGNAGE DETAILS
LINE "PR-1"

HORIZONTAL SCALE	
1" = 30'	
VERTICAL SCALE	
N/A	
DESIGNATION	SHEETS
0500695	54 of 82
CONTRACT	PROJECT NUMBER
R-33886	0500695

S:\2009 Projects\09-192 Fort Wayne - Maplecrest Road\CAD\PM01.dwg --- 2/22/2013 10:40 AM --- WesDowning

SIGN DETAIL
1:10

SIGN NUMBER	name
WIDTH x HGHT.	3'–6" x 0'–9"
BORDER WIDTH	0"
CORNER RADIUS	1"
MOUNTING	Ground
BACKGROUND	TYPE: Prismatic
	COLOR: Green
LEGEND/BORDER	TYPE: Prismatic
	COLOR: White

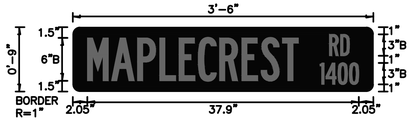
SYMBOL	X	Y	WID	HT

Dimensions are in inches.tenths Letter spacings are to start of next letter

LETTER POSITIONS (X) LENGTH SERIES/SIZE

	D	R																B3
35	1.6	1.3	4.2														2.8	
	B	E	N	N	I	N	G	T	O	N								B6
2.6	3.1	2.7	3.1	3.1	1.3	3.1	3	2.7	3.3	2.6	11.5						27.9	
	6	3	0	0														B3
33.5	1.5	1.5	1.6	1.4	2.6												5.9	

SIGN DETAIL
1:10



SIGN NUMBER	name
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BORDER WIDTH	0"
CORNER RADIUS	1"
MOUNTING	Ground
BACKGROUND	TYPE: Prismatic
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LEGEND/BORDER	TYPE: Prismatic
	COLOR: White

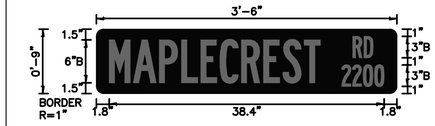
SYMBOL	X	Y	WID	HT

Dimensions are in inches.tenths Letter spacings are to start of next letter

LETTER POSITIONS (X) LENGTH SERIES/SIZE

	R	D																B3
35.9	1.6	1.3	3.3														2.8	
	M	A	P	L	E	C	R	E	S	T								B6
2	3.4	3.6	3.1	2.7	2.7	3	3.1	2.7	3	2.3	10.5						29.5	
	1	4	0	0														B3
34.5	0.8	1.7	1.6	1.4	2												5.5	

SIGN DETAIL
1:10



SIGN NUMBER	name
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BORDER WIDTH	0"
CORNER RADIUS	1"
MOUNTING	Ground
BACKGROUND	TYPE: Prismatic
	COLOR: Green
LEGEND/BORDER	TYPE: Prismatic
	COLOR: White

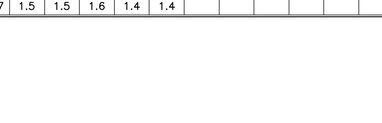
SYMBOL	X	Y	WID	HT

Dimensions are in inches.tenths Letter spacings are to start of next letter

LETTER POSITIONS (X) LENGTH SERIES/SIZE

	R	D																B3
35.8	1.6	1.3	3.4														2.8	
	M	A	P	L	E	C	R	E	S	T								B6
1.8	3.4	3.6	3.1	2.7	2.7	3	3.1	2.7	3	2.3	10.7						29.5	
	2	2	0	0														B3
34.3	1.5	1.5	1.6	1.4	1.8												5.9	

SIGN DETAIL
1:10



SIGN NUMBER	name
WIDTH x HGHT.	3'–0" x 0'–9"
BORDER WIDTH	0"
CORNER RADIUS	1"
MOUNTING	Ground
BACKGROUND	TYPE: Prismatic
	COLOR: Green
LEGEND/BORDER	TYPE: Prismatic
	COLOR: White

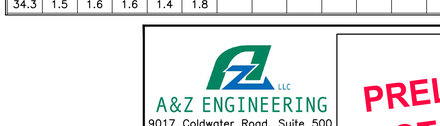
SYMBOL	X	Y	WID	HT

Dimensions are in inches.tenths Letter spacings are to start of next letter

LETTER POSITIONS (X) LENGTH SERIES/SIZE

	D	R																B3
30.9	1.6	1.3	2.3														2.8	
	C	E	N	T	E	R	T	O	N									B6
0.8	3	2.7	3	2.7	2.7	3	2.7	3.3	2.6	9.7							25.5	
	6	3	0	0														B3
29.3	1.5	1.5	1.6	1.4	0.8												5.9	

SIGN DETAIL
1:10



SIGN NUMBER	name
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BORDER WIDTH	0"
CORNER RADIUS	1"
MOUNTING	Ground
BACKGROUND	TYPE: Prismatic
	COLOR: Green
LEGEND/BORDER	TYPE: Prismatic
	COLOR: White

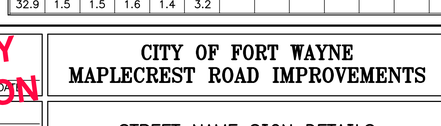
SYMBOL	X	Y	WID	HT

Dimensions are in inches.tenths Letter spacings are to start of next letter

LETTER POSITIONS (X) LENGTH SERIES/SIZE

	R	D																B3
35.8	1.6	1.3	3.4														2.8	
	M	A	P	L	E	C	R	E	S	T								B6
2.1	3.4	3.6	3.1	2.7	2.7	3	3.1	2.7	3	2.3	10.4						29.5	
	1	9	0	0														B3
34.6	0.9	1.5	1.6	1.4	2.1												5.3	

SIGN DETAIL
1:10



SIGN NUMBER	name
WIDTH x HGHT.	3'–0" x 0'–9"
BORDER WIDTH	0"
CORNER RADIUS	1"
MOUNTING	Ground
BACKGROUND	TYPE: Prismatic
	COLOR: Green
LEGEND/BORDER	TYPE: Prismatic
	COLOR: White

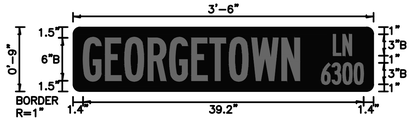
SYMBOL	X	Y	WID	HT

Dimensions are in inches.tenths Letter spacings are to start of next letter

LETTER POSITIONS (X) LENGTH SERIES/SIZE

	D	R																B3
29	1.6	1.3	4.1														2.8	
	M	O	N	A	R	C	H											B6
2.6	3.5	3.3	3	3.6	3	3	2.6	11.5									21.9	
	6	3	0	0														B3
27.5	1.5	1.5	1.6	1.4	2.6												5.9	

SIGN DETAIL
1:10



SIGN NUMBER	name
WIDTH x HGHT.	3'–6" x 0'–9"
BORDER WIDTH	0"
CORNER RADIUS	1"
MOUNTING	Ground
BACKGROUND	TYPE: Prismatic
	COLOR: Green
LEGEND/BORDER	TYPE: Prismatic
	COLOR: White

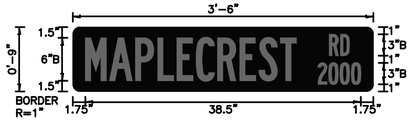
SYMBOL	X	Y	WID	HT

Dimensions are in inches.tenths Letter spacings are to start of next letter

LETTER POSITIONS (X) LENGTH SERIES/SIZE

	L	N																B3
36.3	1.4	1.3	3.1														2.6	
	G	E	O	R	G	E	T	O	W	N								B6
1.4	3.1	2.7	3.3	3	3.1	2.6	2.7	3.2	4.2	2.6	10.3						30.3	
	6	3	0	0														B3
34.7	1.5	1.5	1.6	1.4	1.4												5.9	

SIGN DETAIL
1:10



SIGN NUMBER	name
WIDTH x HGHT.	3'–6" x 0'–9"
BORDER WIDTH	0"
CORNER RADIUS	1"
MOUNTING	Ground
BACKGROUND	TYPE: Prismatic
	COLOR: Green
LEGEND/BORDER	TYPE: Prismatic
	COLOR: White

SYMBOL	X	Y	WID	HT

Dimensions are in inches.tenths Letter spacings are to start of next letter

LETTER POSITIONS (X) LENGTH SERIES/SIZE

	R	D																B3
35.8	1.6	1.3	3.4														2.8	
	M	A	P	L	E	C	R	E	S	T								B6
1.8	3.4	3.6	3.1	2.7	2.7	3	3.1	2.7	3	2.3	10.8						29.5	
	2	0	0	0														B3
34.3	1.5	1.6	1.6	1.4	1.8												6	

SIGN DETAIL
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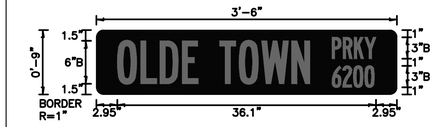

SIGN NUMBER	name
WIDTH x HGHT.	3'–6" x 0'–9"
BORDER WIDTH	0"
CORNER RADIUS	1"
MOUNTING	Ground
BACKGROUND	TYPE: Prismatic
	COLOR: Green
LEGEND/BORDER	TYPE: Prismatic
	COLOR: White

SYMBOL	X	Y	WID	HT

Dimensions are in inches.tenths Letter spacings are to start of next letter

LETTER POSITIONS (X) LENGTH SERIES/SIZE

	P	R	K	Y														B3
32.9	1.6	1.6	1.5	1.6	2.9												6.2	
	O	L	D	E		T	O	W	N									B6
2.9	3.3	2.7	3.1	2.3	3	2.7	3.2	4.2	2.6	12.2							26.9	
	6	2	0	0														B3
32.9	1.5	1.5	1.6	1.4	3.2												5.9	

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DESIGN ENGINEER DATE

DESIGNED: WWD DRAWN: WWD
CHECKED: WJZ CHECKED: WJZ

CITY OF FORT WAYNE
MAPLECREST ROAD IMPROVEMENTS

STREET NAME SIGN DETAILS

HORIZONTAL SCALE	
AS SHOWN	
VERTICAL SCALE	
N/A	

DESIGNATION	SHEETS
0500695	55 of 82
CONTRACT	PROJECT NUMBER
R-33886	0500695

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SIGN DETAIL
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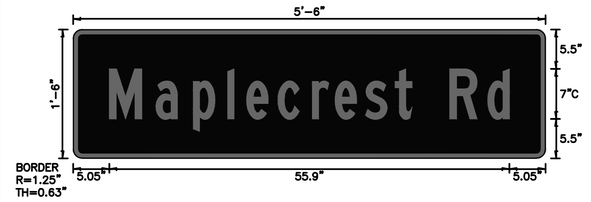


SIGN NUMBER	name
WIDTH x HGHT.	5'–6" x 1'–6"
BORDER WIDTH	0.63"
CORNER RADIUS	1.25"
MOUNTING	Overhead
BACKGROUND	TYPE: Reflective
	COLOR: Green
LEGEND/BORDER	TYPE: Reflective
	COLOR: White

SYMBOL	X	Y	WID	HT

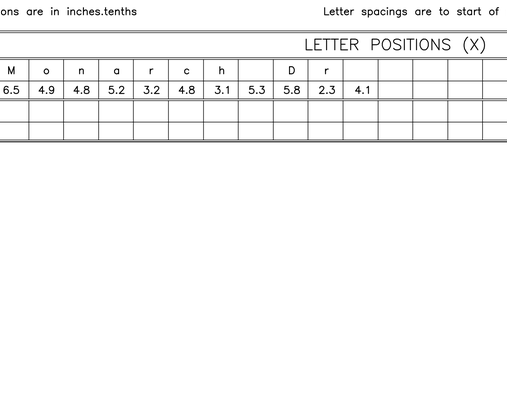
Dimensions are in inches.tenths

Letter spacings are to start of next letter

LETTER POSITIONS (X)

	M	a	p	l	e	c	r	e	s	t		R	d							LENGTH	SERIES/SIZE
5	6.5	5.2	4.8	2.6	4.4	4.8	3.2	4.3	4.2	2.4	5.3	5.3	3	5						55.9	C7/5.3

SIGN DETAIL
1:10



SIGN NUMBER	name
WIDTH x HGHT.	4'–6" x 1'–6"
BORDER WIDTH	0.63"
CORNER RADIUS	1.25"
MOUNTING	Overhead
BACKGROUND	TYPE: Reflective
	COLOR: Green
LEGEND/BORDER	TYPE: Reflective
	COLOR: White

SYMBOL	X	Y	WID	HT

Dimensions are in inches.tenths

Letter spacings are to start of next letter

LETTER POSITIONS (X)

	M	o	n	a	r	c	h		D	r										LENGTH	SERIES/SIZE
4.1	6.5	4.9	4.8	5.2	3.2	4.8	3.1	5.3	5.8	2.3	4.1									45.8	C7/5.3

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DESIGNED: WWD DRAWN: WWD

CHECKED: WJZ CHECKED: WJZ

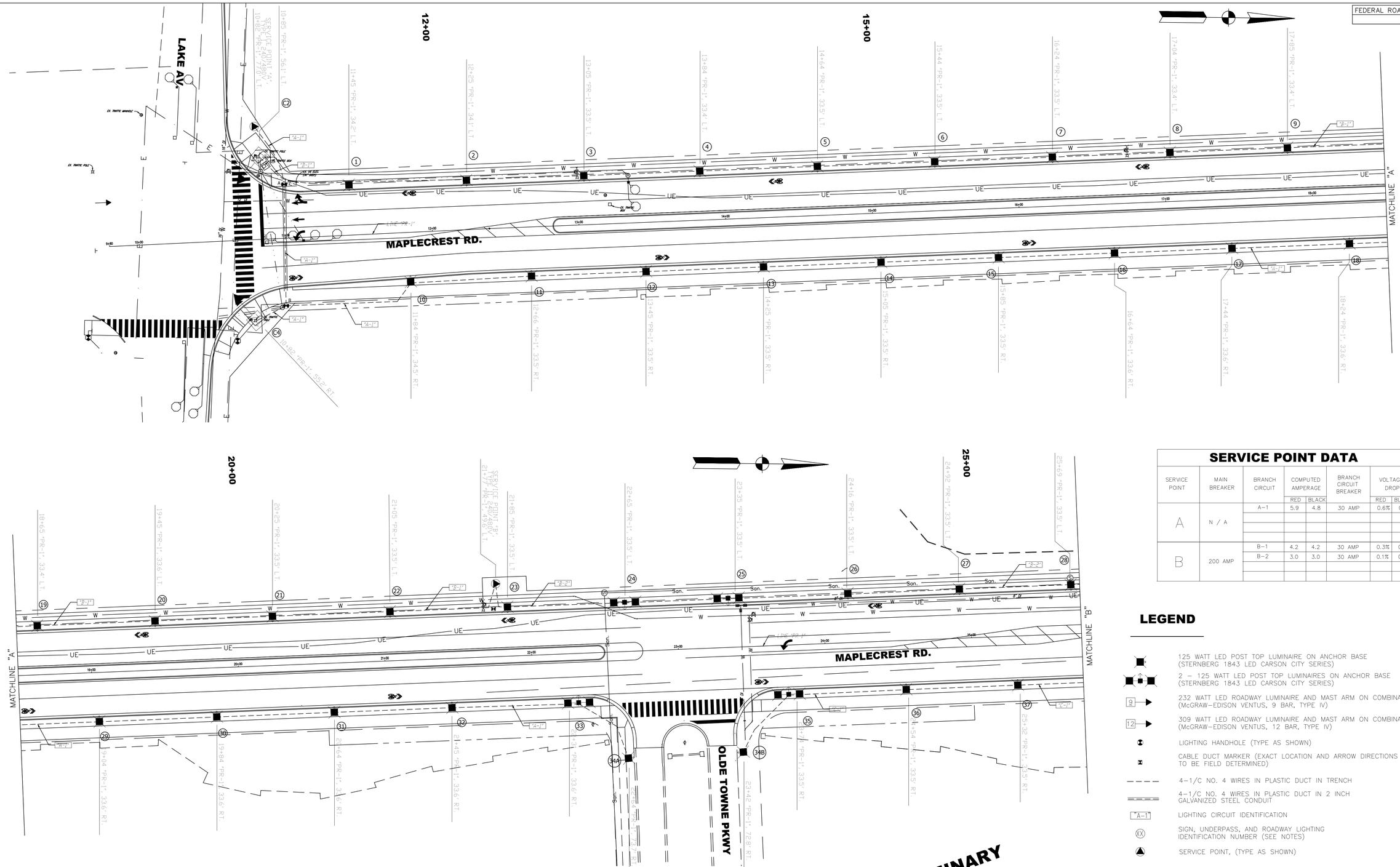
CITY OF FORT WAYNE
MAPLECREST ROAD IMPROVEMENTS

METRO OVERHEAD
STREET NAME SIGN DETAILS

HORIZONTAL SCALE	
AS SHOWN	
VERTICAL SCALE	
N/A	
DESIGNATION	SHEETS
0500695	----- of 82
CONTRACT	PROJECT NUMBER
R–33886	0500695

S:\2009 Projects\09-192 Fort Wayne - Maplecrest Road\CAD\PM03 (Sign Details).dwg ---- 2/22/2013 10:49 AM ---- WesDowning

FEDERAL ROAD REGION No. 5



SERVICE POINT DATA

SERVICE POINT	MAIN BREAKER	BRANCH CIRCUIT	COMPUTED AMPERAGE		BRANCH CIRCUIT BREAKER	VOLTAGE DROP	
			RED	BLACK		RED	BLACK
A	N / A	A–1	5.9	4.8	30 AMP	0.6%	0.5%
B	200 AMP	B–1	4.2	4.2	30 AMP	0.3%	0.4%
		B–2	3.0	3.0	30 AMP	0.1%	0.1%

LEGEND

- 125 WATT LED POST TOP LUMINAIRE ON ANCHOR BASE (STERNBERG 1843 LED CARSON CITY SERIES)
- 2 – 125 WATT LED POST TOP LUMINAIRES ON ANCHOR BASE (STERNBERG 1843 LED CARSON CITY SERIES)
- 9 — 232 WATT LED ROADWAY LUMINAIRE AND MAST ARM ON COMBINATION POLE (McGRAW–EDISON VENTUS, 9 BAR, TYPE IV)
- 12 — 309 WATT LED ROADWAY LUMINAIRE AND MAST ARM ON COMBINATION POLE (McGRAW–EDISON VENTUS, 12 BAR, TYPE IV)
- LIGHTING HANDHOLE (TYPE AS SHOWN)
- CABLE DUCT MARKER (EXACT LOCATION AND ARROW DIRECTIONS TO BE FIELD DETERMINED)
- 4–1/C NO. 4 WIRES IN PLASTIC DUCT IN TRENCH
- 4–1/C NO. 4 WIRES IN PLASTIC DUCT IN 2 INCH GALVANIZED STEEL CONDUIT
- "A–1" — LIGHTING CIRCUIT IDENTIFICATION
- (XX) — SIGN, UNDERPASS, AND ROADWAY LIGHTING IDENTIFICATION NUMBER (SEE NOTES)
- SERVICE POINT, (TYPE AS SHOWN)

PRELIMINARY (STAGE 3 PLANS) NOT FOR CONSTRUCTION

CORNERSTONE CIVIL GROUP
P.O. Box 158, Fishers, IN 46038
(317) 417–0403

RECOMMENDED FOR APPROVAL _____ 2/26/13
DESIGN ENGINEER DATE

DESIGNED: REH | DRAWN: REH | CHECKED: REH | CHECKED: REH

CITY OF FORT WAYNE
MAPLECREST ROAD IMPROVEMENTS

LIGHTING PLAN
LAKE AV. TO STATE BLVD.

HORIZONTAL SCALE	
1" = 30'	
VERTICAL SCALE	

DESIGNATION	SHEETS
0500695	57 of 82
CONTRACT	PROJECT NUMBER
	0500695

Ltg Plan R3.dwg, rhensley, 1"=30'

FEDERAL ROAD REGION No. 5

SERVICE POINT DATA

SERVICE POINT	MAIN BREAKER	BRANCH CIRCUIT	COMPUTED AMPERAGE		BRANCH CIRCUIT BREAKER	VOLTAGE DROP	
			RED	BLACK		RED	BLACK
C	200 AMP	C-1	8.4	7.8	30 AMP	0.7%	0.6%
		C-2	5.4	5.4	30 AMP	0.3%	0.3%

LEGEND

- 125 WATT LED POST TOP LUMINAIRE ON ANCHOR BASE (STERNBERG 1843 LED CARSON CITY SERIES)
- 2 – 125 WATT LED POST TOP LUMINAIRES ON ANCHOR BASE (STERNBERG 1843 LED CARSON CITY SERIES)
- 9 — 232 WATT LED ROADWAY LUMINAIRE AND MAST ARM ON COMBINATION POLE (McGRAW–EDISON VENTUS, 9 BAR, TYPE IV)
- 12 — 309 WATT LED ROADWAY LUMINAIRE AND MAST ARM ON COMBINATION POLE (McGRAW–EDISON VENTUS, 12 BAR, TYPE IV)
- LIGHTING HANDHOLE (TYPE AS SHOWN)
- CABLE DUCT MARKER (EXACT LOCATION AND ARROW DIRECTIONS TO BE FIELD DETERMINED)
- 4–1/C NO. 4 WIRES IN PLASTIC DUCT IN TRENCH
- 4–1/C NO. 4 WIRES IN PLASTIC DUCT IN 2 INCH GALVANIZED STEEL CONDUIT
- "A-1" — LIGHTING CIRCUIT IDENTIFICATION
- XX — SIGN, UNDERPASS, AND ROADWAY LIGHTING IDENTIFICATION NUMBER (SEE NOTES)
- SERVICE POINT, (TYPE AS SHOWN)

PRELIMINARY (STAGE 3 PLANS) NOT FOR CONSTUCTION

CORNERSTONE CIVIL GROUP
P.O. Box 158, Fishers, IN 46038
(317) 417–0403

RECOMMENDED FOR APPROVAL _____ 2/26/13
DESIGN ENGINEER DATE

DESIGNED: REH DRAWN: REH
CHECKED: REH CHECKED: REH

CITY OF FORT WAYNE
MAPLECREST ROAD IMPROVEMENTS

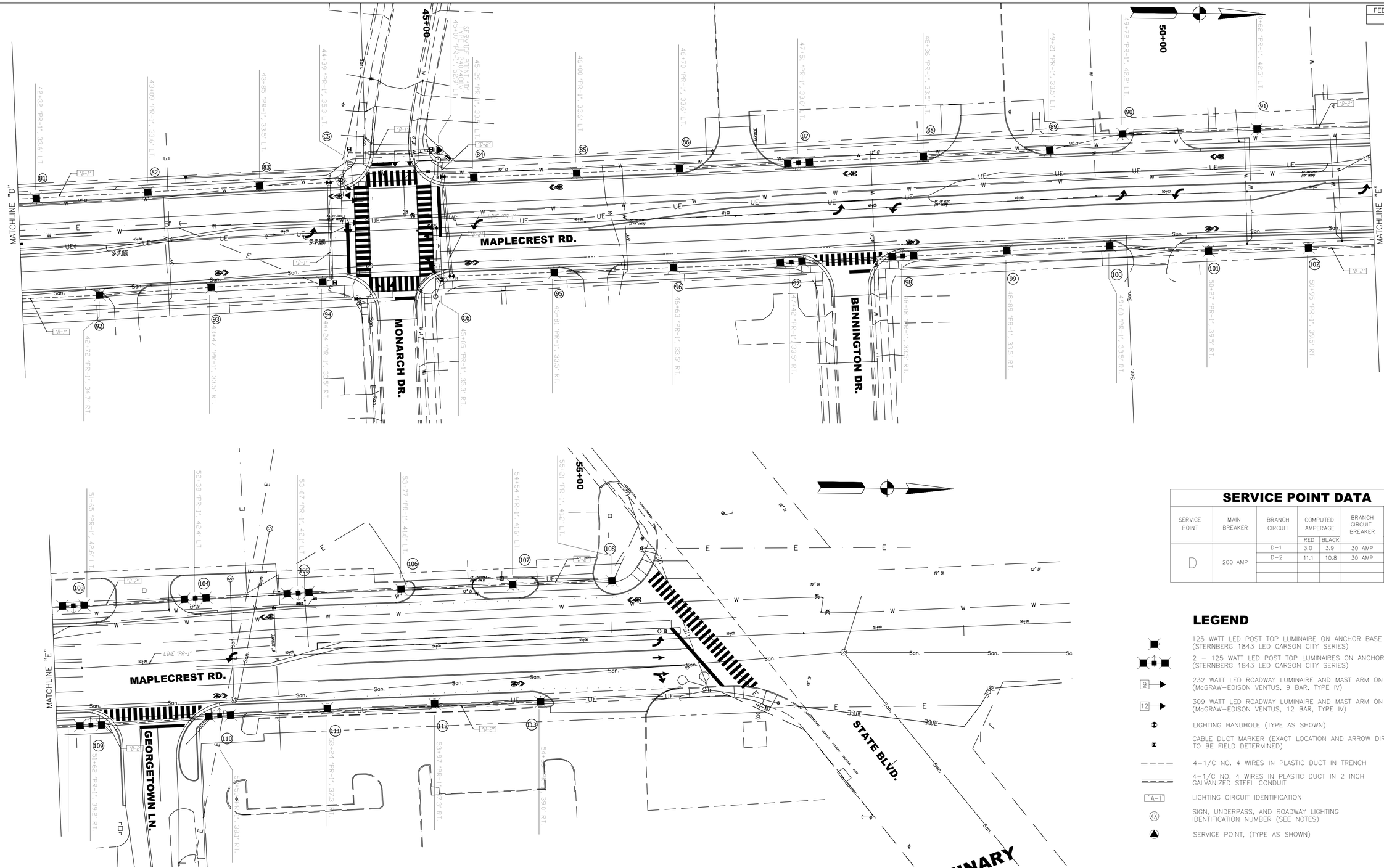
LIGHTING PLAN
LAKE AV. TO STATE BLVD.

HORIZONTAL SCALE	
1" = 30'	
VERTICAL SCALE	

DESIGNATION	SHEETS
0500695	58 of 82
CONTRACT	PROJECT NUMBER
	0500695

Lty Plan R3.dwg, rhensley, 1"=30'

FEDERAL ROAD REGION No.
5



SERVICE POINT DATA

SERVICE POINT	MAIN BREAKER	BRANCH CIRCUIT	COMPUTED AMPERAGE		BRANCH CIRCUIT BREAKER	VOLTAGE DROP	
			RED	BLACK		RED	BLACK
D	200 AMP	D-1	3.0	3.9	30 AMP	0.1%	0.1%
		D-2	11.1	10.8	30 AMP	0.8%	0.8%

LEGEND

- 125 WATT LED POST TOP LUMINAIRE ON ANCHOR BASE (STERNBERG 1843 LED CARSON CITY SERIES)
- 2 – 125 WATT LED POST TOP LUMINAIRES ON ANCHOR BASE (STERNBERG 1843 LED CARSON CITY SERIES)
- 9 — 232 WATT LED ROADWAY LUMINAIRE AND MAST ARM ON COMBINATION POLE (McGRAW–EDISON VENTUS, 9 BAR, TYPE IV)
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- 4–1/C NO. 4 WIRES IN PLASTIC DUCT IN TRENCH
- 4–1/C NO. 4 WIRES IN PLASTIC DUCT IN 2 INCH GALVANIZED STEEL CONDUIT
- "A-1" — LIGHTING CIRCUIT IDENTIFICATION
- (XX) — SIGN, UNDERPASS, AND ROADWAY LIGHTING IDENTIFICATION NUMBER (SEE NOTES)
- SERVICE POINT, (TYPE AS SHOWN)

CORNERSTONE CIVIL GROUP
P.O. Box, Fishers, IN 46038
(317) 417–0403

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER — 2/26/13 DATE

DESIGNED: REH | DRAWN: REH | CHECKED: REH | CHECKED: REH

CITY OF FORT WAYNE
MAPLECREST ROAD IMPROVEMENTS

LIGHTING PLAN
LAKE AV. TO STATE BLVD.

HORIZONTAL SCALE	
1" = 30'	
VERTICAL SCALE	

DESIGNATION	SHEETS
0500695	59 of 82
CONTRACT	PROJECT NUMBER
	0500695

Ltg Plan R3.dwg, rhensley, 1"=30'

FEDERAL ROAD REGION No.
5

POST TOP LIGHT STANDARD - LUMINAIRE TABLE

POLE ID / LUMINAIRE ID	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 A	24 B	25 A	25 B	26	27	28	29	30	31	32	33 A	33 B	34A	34B	35 A	35 B	36	37		
IES DISTRIBUTION TYPE (M-S-II OR M-S-III)	III	III	III	III	III	III	III	III	III	III	III	III	III	III	III	III	III	III	III	III	III	III	III	III	III	III	III	III	III	III	III	III	III	III	III	III	III	III	III	III	III		
POLE OFFSET (FT) FROM: BACK OF CURB	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0		3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0			3.0	3.0	3.0	3.0		
BACK OF PATH/SIDEWALK																																											
* FRONT OF PATH/SIDEWALK										2.5																																		
EDGE OF PAVEMENT																																					14.0	14.6					
FOUNDATION TYPE (SEE LEGEND BELOW)	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G		
MOUNTING HEIGHT (MH) (FT)	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20		
TOP OF FOUNDATION ELEVATION (FT)																																											
EDGE OF PAVEMENT (EP) ELEVATION (FT)																																											
ELEVATION VARIANCE (FT) (FROM EP ELEVATION)																																											
EFFECTIVE MOUNTING HEIGHT (EMH) (FT) **	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20		
MAST ARM LENGTH (FT)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
CIRCUIT NUMBER	"B-1"	"B-1"	"B-1"	"B-1"	"B-1"	"B-1"	"B-1"	"B-1"	"B-1"	"A-1"	"A-1"	"A-1"	"A-1"	"A-1"	"A-1"	"A-1"	"A-1"	"A-1"	"B-1"	"B-1"	"B-1"	"B-1"	"B-2"	"B-2"	"B-2"	"B-2"	"B-2"	"B-2"	"B-2"	"B-2"	"A-1"	"A-1"	"A-1"	"A-1"	"A-1"	"A-1"	"A-1"	"C-1"	"C-1"	"C-1"	"C-1"	"C-1"		
CIRCUIT CONNECTION (RED OR BLACK)	RED	BLACK	RED	BLACK	RED	BLACK	RED	BLACK	RED	BLACK	RED	BLACK	RED	BLACK	RED	BLACK	RED	BLACK	BLACK	RED	BLACK	RED	BLACK	RED	BLACK	RED	BLACK	RED	BLACK	RED	RED	BLACK	RED	BLACK	RED	BLACK	RED	BLACK	RED	BLACK	RED		
CONNECTION TYPE (PER E807-LTWR-01)	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	2	2	2	2		

* OFFSET IS FORWARD FROM FRONT OF PATH/SIDEWALK

** INDICATES POLE HEIGHT FOR QUANTITY PURPOSES

POLE SETBACK:
EX = USE EXISTING ANCHOR BOLTS IN BRIDGE RAILING

FOUNDATION TYPES:
G = LIGHT STANDARD FOUNDATION, 1 FT. DIA. X 6 FT. (GROUND MOUNTED)
SSP = LUMINAIRE ON SIGNAL STRAIN POLE

MAST ARM LENGTH:
EX = EXISTING POLE & MAST ARM TO REMAIN

POST TOP LIGHT STANDARD - LUMINAIRE TABLE

POLE ID / LUMINAIRE ID	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70 A	70 B	71	72	73	74	75	76	77	78		
IES DISTRIBUTION TYPE (M-S-II OR M-S-III)	III	III	III	III	III	III	III	III	III	III	III	III	III	III	III	III	III	III	III	III	III	III	III	III	III	III	III	III	III	III	III	III	III	III	III	III	III	III	III	III	III		
POLE OFFSET (FT) FROM: BACK OF CURB	3.0	3.0		3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0		
BACK OF PATH/SIDEWALK																																											
* FRONT OF PATH/SIDEWALK			2.0																																								
EDGE OF PAVEMENT																																											
FOUNDATION TYPE (SEE LEGEND BELOW)	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G		
MOUNTING HEIGHT (MH) (FT)	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20		
TOP OF FOUNDATION ELEVATION (FT)																																											
EDGE OF PAVEMENT (EP) ELEVATION (FT)																																											
ELEVATION VARIANCE (FT) (FROM EP ELEVATION)																																											
EFFECTIVE MOUNTING HEIGHT (EMH) (FT) **	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20		
MAST ARM LENGTH (FT)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
CIRCUIT NUMBER	"B-2"	"B-2"	"C-2"	"C-2"	"C-2"	"C-2"	"C-2"	"C-2"	"C-2"	"C-2"	"C-2"	"C-2"	"C-1"	"C-1"	"C-1"	"C-1"	"C-1"	"C-1"	"C-1"	"C-1"	"C-1"	"C-1"	"C-1"	"C-1"	"C-2"	"C-2"	"C-2"	"C-2"	"C-2"	"C-2"	"C-2"	"C-2"	"D-1"	"D-1"	"C-1"	"C-1"	"C-1"	"C-1"	"C-1"	"C-1"	"C-1"		
CIRCUIT CONNECTION (RED OR BLACK)	BLACK	RED	RED	BLACK	RED	BLACK	RED	BLACK	RED	BLACK	RED	BLACK	BLACK	RED	BLACK	RED	BLACK	RED	BLACK	RED	BLACK	RED	BLACK	RED	RED	BLACK	RED	BLACK	RED	BLACK	RED	BLACK	RED	BLACK	BLACK	RED	BLACK	RED	BLACK	RED	BLACK		
CONNECTION TYPE (PER E807-LTWR-01)	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	2	2	2	2	2	2	2		

* OFFSET IS FORWARD FROM FRONT OF PATH/SIDEWALK

** INDICATES POLE HEIGHT FOR QUANTITY PURPOSES

POLE SETBACK:
EX = USE EXISTING ANCHOR BOLTS IN BRIDGE RAILING

FOUNDATION TYPES:
G = LIGHT STANDARD FOUNDATION, 1 FT. DIA. X 6 FT. (GROUND MOUNTED)
SSP = LUMINAIRE ON SIGNAL STRAIN POLE

MAST ARM LENGTH:
EX = EXISTING POLE & MAST ARM TO REMAIN

POST TOP LIGHT STANDARD - LUMINAIRE TABLE

POLE ID / LUMINAIRE ID	79 A	79 B	80 A	80 B
IES DISTRIBUTION TYPE (M-S-II OR M-S-III)	III	III	III	III
POLE OFFSET (FT) FROM: BACK OF CURB				
BACK OF PATH/SIDEWALK				
* FRONT OF PATH/SIDEWALK	2.5	2.5	3.0	3.0
EDGE OF PAVEMENT				
FOUNDATION TYPE (SEE LEGEND BELOW)	G	G	G	G
MOUNTING HEIGHT (MH) (FT)	20	20	20	20
TOP OF FOUNDATION ELEVATION (FT)				
EDGE OF PAVEMENT (EP) ELEVATION (FT)				
ELEVATION VARIANCE (FT) (FROM EP ELEVATION)				
EFFECTIVE MOUNTING HEIGHT (EMH) (FT) **	20	20	20	20
MAST ARM LENGTH (FT)	N/A	N/A	N/A	N/A
CIRCUIT NUMBER	"C-1"	"C-1"	"D-1"	"D-1"
CIRCUIT CONNECTION (RED OR BLACK)	BLACK	RED	BLACK	RED
CONNECTION TYPE (PER E807-LTWR-01)	1	1	1	1

* OFFSET IS FORWARD FROM FRONT OF PATH/SIDEWALK

** INDICATES POLE HEIGHT FOR QUANTITY PURPOSES

POLE SETBACK:
EX = USE EXISTING ANCHOR BOLTS IN BRIDGE RAILING

FOUNDATION TYPES:
G = LIGHT STANDARD FOUNDATION, 1 FT. DIA. X 6 FT. (GROUND MOUNTED)
SSP = LUMINAIRE ON SIGNAL STRAIN POLE

MAST ARM LENGTH:
EX = EXISTING POLE & MAST ARM TO REMAIN

DESIGN DATA

		MAPLECREST RD.	LAKE AV.	OLDE TOWNE PKWY.	CENTERTOWN DR.	MONARCH DR.	BENNINGTON DR.	GEORGETOWN LN.	STATE BLVD.
INITIAL LAMP LUMENS (LL) FOR 125 WATT POST TOP LED	6,030	X		X	X		X	X	
INITIAL LAMP LUMENS (LL) FOR 232 WATT ROADWAY LED	15,147					X			
INITIAL LAMP LUMENS (LL) FOR 309 WATT ROADWAY LED	20,108		X						
AVERAGE MAINTAINED HORIZONTAL ILLUMINANCE (Eh) - CORRIDOR	1.3 fc	X							
AVERAGE MAINTAINED HORIZONTAL ILLUMINANCE (Eh) - MAJOR INTERSECTION	2.6 fc		X						X
AVERAGE MAINTAINED HORIZONTAL ILLUMINANCE (Eh) - COLLECTOR INTERSECTION	2.2 fc					X			
AVERAGE MAINTAINED HORIZONTAL ILLUMINANCE (Eh) - LOCAL INTERSECTION	2.0 fc			X	X		X	X	
MINIMUM HORIZONTAL ILLUMINANCE	VARIES								
LAMP LUMEN DEPRECIATION FACTOR (LLD)	0.89								
LUMINAIRE DIRT DEPRECIATION FACTOR (LDD)	0.95								
MAINTENANCE FACTOR (LLD * LDD)	0.85	X	X	X	X	X	X	X	X
AVERAGE/MINIMUM UNIFORMITY RATIO	3.0 : 1	X	X	X	X	X	X	X	X
PERCENTAGE VOLTAGE DROP ALLOWED	10%	X	X	X	X	X	X	X	X
MOUNTING HEIGHT (MH) POST TOP	20 FT.	X		X	X		X	X	
EFFECTIVE MOUNTING HEIGHT (EMH) POST TOP	20 FT.	X		X	X		X	X	
MOUNTING HEIGHT (MH) COMBINATION	30 FT.		X			X			X
EFFECTIVE MOUNTING HEIGHT (EMH) COMBINATION	30 FT.		X			X			X

PRELIMINARY
(STAGE 3 PLANS)
NOT FOR CONSTRUCTION

CORNERSTONE CIVIL GROUP
P.O. Box 158, Fishers, IN 46038
(317) 417-0403

RECOMMENDED FOR APPROVAL
DESIGN ENGINEER — DATE 2/26/13

DESIGNED: REH
DRAWN: REH
CHECKED: REH
CHECKED: REH

CITY OF FORT WAYNE
MAPLECREST ROAD IMPROVEMENTS

LIGHTING SUMMARY TABLES
LAKE AV. TO STATE BLVD.

HORIZONTAL SCALE	
N/A	
VERTICAL SCALE	

DESIGNATION	SHEETS
0500695	60 of 82
CONTRACT	PROJECT NUMBER
	0500695

Ltg Summary Tables R3.dwg, rhensley, 1"=20'

FEDERAL ROAD REGION No.
5

POST TOP LIGHT STANDARD - LUMINAIRE TABLE

POLE ID	81	82	83	84	85	86	87	87	88	89	90	91	92	93	94	95	96	97	97	98	98	99	100	101	102	103	103	104	104	105	105	106	107	108	109	109	110	110	111	112	113			
LUMINAIRE ID							A	B										A	B	A	B					A	B	A	B	A	B				A	B	A	B						
IES DISTRIBUTION TYPE (M-S-II OR M-S-III)	III	III	III	III	III	III	III	III	III	III	III	III	III	III	III	III	III	III	III	III	III	III	III	III	III	III	III	III	III	III	III	III	III	III	III	III	III	III	III	III	III			
POLE OFFSET (FT) FROM: BACK OF CURB	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0				3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0															5.25	5.25	5.25	5.25	5.25			
BACK OF PATH/SIDEWALK											1.0	1.0												1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.75	0.75								
* FRONT OF PATH/SIDEWALK													1.5																															
EDGE OF PAVEMENT																																											
FOUNDATION TYPE (SEE LEGEND BELOW)	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G			
MOUNTING HEIGHT (MH) (FT)	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20			
TOP OF FOUNDATION ELEVATION (FT)																																											
EDGE OF PAVEMENT (EP) ELEVATION (FT)																																											
ELEVATION VARIANCE (FT) (FROM EP ELEVATION)																																											
EFFECTIVE MOUNTING HEIGHT (EMH) (FT) **	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20			
MAST ARM LENGTH (FT)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A			
CIRCUIT NUMBER	"D-1"	"D-1"	"D-1"	"D-2"	"D-2"	"D-2"	"D-2"	"D-2"	"D-2"	"D-2"	"D-2"	"D-2"	"D-1"	"D-1"	"D-1"	"D-2"	"D-2"	"D-2"	"D-2"	"D-2"	"D-2"	"D-2"	"D-2"	"D-2"	"D-2"	"D-2"	"D-2"	"D-2"	"D-2"	"D-2"	"D-2"	"D-2"	"D-2"	"D-2"	"D-2"	"D-2"	"D-2"	"D-2"	"D-2"	"D-2"	"D-2"			
CIRCUIT CONNECTION (RED OR BLACK)	RED	BLACK	RED	BLACK	RED	BLACK	RED	BLACK	RED	BLACK	RED	BLACK	BLACK	RED	BLACK	BLACK	RED	BLACK	RED	BLACK	RED	BLACK	RED	BLACK	RED	RED	BLACK	RED	BLACK	RED	BLACK	RED	BLACK	RED	BLACK	RED	BLACK	RED	BLACK	RED	BLACK			
CONNECTION TYPE (PER E807-LTWR-01)	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2	2	2	2	2	2	1			

* OFFSET IS FORWARD FROM FRONT OF PATH/SIDEWALK

** INDICATES POLE HEIGHT FOR QUANTITY PURPOSES

POLE SETBACK:
EX = USE EXISTING ANCHOR BOLTS IN BRIDGE RAILING

FOUNDATION TYPES:
G = LIGHT STANDARD FOUNDATION, 1 FT. DIA. X 6 FT. (GROUND MOUNTED)
SSP = LUMINAIRE ON SIGNAL STRAIN POLE

MAST ARM LENGTH:
EX = EXISTING POLE & MAST ARM TO REMAIN

POST TOP LIGHT STANDARD - LUMINAIRE TABLE

POLE ID																																												
LUMINAIRE ID																																												
IES DISTRIBUTION TYPE (M-S-II OR M-S-III)																																												
POLE OFFSET (FT) FROM: BACK OF CURB																																												
BACK OF PATH/SIDEWALK																																												
* FRONT OF PATH/SIDEWALK																																												
EDGE OF PAVEMENT																																												
FOUNDATION TYPE (SEE LEGEND BELOW)																																												
MOUNTING HEIGHT (MH) (FT)																																												
TOP OF FOUNDATION ELEVATION (FT)																																												
EDGE OF PAVEMENT (EP) ELEVATION (FT)																																												
ELEVATION VARIANCE (FT) (FROM EP ELEVATION)																																												
EFFECTIVE MOUNTING HEIGHT (EMH) (FT) **																																												
MAST ARM LENGTH (FT)																																												
CIRCUIT NUMBER																																												
CIRCUIT CONNECTION (RED OR BLACK)																																												
CONNECTION TYPE (PER E807-LTWR-01)																																												

* OFFSET IS FORWARD FROM FRONT OF PATH/SIDEWALK

** INDICATES POLE HEIGHT FOR QUANTITY PURPOSES

POLE SETBACK:
EX = USE EXISTING ANCHOR BOLTS IN BRIDGE RAILING

FOUNDATION TYPES:
G = LIGHT STANDARD FOUNDATION, 1 FT. DIA. X 6 FT. (GROUND MOUNTED)
SSP = LUMINAIRE ON SIGNAL STRAIN POLE

MAST ARM LENGTH:
EX = EXISTING POLE & MAST ARM TO REMAIN

ROADWAY LIGHT STANDARD - LUMINAIRE TABLE

POLE ID	C1	C2	C3	C4	C5	C6	C7	C8																																			
LUMINAIRE ID																																												
IES DISTRIBUTION TYPE (M-S-II OR M-S-III)		IV		IV	IV	IV																																					
POLE OFFSET (FT) FROM: BACK OF CURB																																												
BACK OF PATH/SIDEWALK																																												
* FRONT OF PATH/SIDEWALK																																												
EDGE OF PAVEMENT																																												
FOUNDATION TYPE (SEE LEGEND BELOW)		SSP		SSP	SSP	SSP																																					
MOUNTING HEIGHT (MH) (FT)		30		30	30	30																																					
TOP OF FOUNDATION ELEVATION (FT)																																												
EDGE OF PAVEMENT (EP) ELEVATION (FT)																																												
ELEVATION VARIANCE (FT) (FROM EP ELEVATION)																																												
EFFECTIVE MOUNTING HEIGHT (EMH) (FT) **		30		30	30	30																																					
MAST ARM LENGTH (FT)		10		10	10	10																																					
CIRCUIT NUMBER		"B-1"		"A-1"	"D-1"	"D-2"																																					
CIRCUIT CONNECTION (RED OR BLACK)		BLACK		RED	BLACK	RED																																					
CONNECTION TYPE (PER E807-LTWR-01)		1		1	2	1																																					

* OFFSET IS FORWARD FROM FRONT OF PATH/SIDEWALK

** INDICATES POLE HEIGHT FOR QUANTITY PURPOSES

POLE SETBACK:
EX = USE EXISTING ANCHOR BOLTS IN BRIDGE RAILING

FOUNDATION TYPES:
G = LIGHT STANDARD FOUNDATION, 1 FT. DIA. X 6 FT. (GROUND MOUNTED)
SSP = LUMINAIRE ON SIGNAL STRAIN POLE

MAST ARM LENGTH:
EX = EXISTING POLE & MAST ARM TO REMAIN

DESIGN DATA

		MAPLECREST RD.	LAKE AV.	TOWNE PKWY.	CENTERTOWN DR.	MONARCH DR.	BENNINGTON DR.	GEORGETOWN LN.	STATE BLVD.
INITIAL LAMP LUMENS (LL) FOR 125 WATT POST TOP LED	6,030	X		X	X		X	X	
INITIAL LAMP LUMENS (LL) FOR 232 WATT ROADWAY LED	15,147					X			
INITIAL LAMP LUMENS (LL) FOR 309 WATT ROADWAY LED	20,108		X						
AVERAGE MAINTAINED HORIZONTAL ILLUMINANCE (Eh) - CORRIDOR	1.3 fc	X							
AVERAGE MAINTAINED HORIZONTAL ILLUMINANCE (Eh) - MAJOR INTERSECTION	2.6 fc		X						X
AVERAGE MAINTAINED HORIZONTAL ILLUMINANCE (Eh) - COLLECTOR INTERSECTION	2.2 fc					X			
AVERAGE MAINTAINED HORIZONTAL ILLUMINANCE (Eh) - LOCAL INTERSECTION	2.0 fc			X	X		X	X	
MINIMUM HORIZONTAL ILLUMINANCE	VARIES								
LAMP LUMEN DEPRECIATION FACTOR (LLD)	0.89								
LUMINAIRE DIRT DEPRECIATION FACTOR (LDD)	0.95								
MAINTENANCE FACTOR (LLD * LDD)	0.85	X	X	X	X	X	X	X	X
AVERAGE/MINIMUM UNIFORMITY RATIO	3.0 : 1	X	X	X	X	X	X	X	X
PERCENTAGE VOLTAGE DROP ALLOWED	10%	X	X	X	X	X	X	X	X
MOUNTING HEIGHT (MH) POST TOP	20 FT.	X		X	X		X	X	
EFFECTIVE MOUNTING HEIGHT (EMH) POST TOP	20 FT.	X		X	X		X	X	
MOUNTING HEIGHT (MH) COMBINATION	30 FT.		X			X			X
EFFECTIVE MOUNTING HEIGHT (EMH) COMBINATION	30 FT.		X			X			X

PRELIMINARY
(STAGE 3 PLANS)
NOT FOR CONSTRUCTION

CORNERSTONE CIVIL GROUP
P.O. Box 158, Fishers, IN 46038
(317) 417-0403

RECOMMENDED FOR APPROVAL
DESIGN ENGINEER — 2/26/13 DATE

DESIGNED: REH
DRAWN: REH
CHECKED: REH
CHECKED: REH

CITY OF FORT WAYNE
MAPLECREST ROAD IMPROVEMENTS

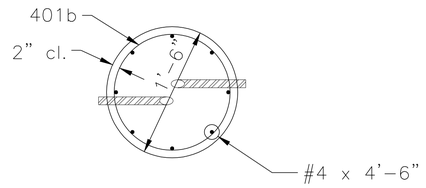
LIGHTING SUMMARY TABLES
LAKE AV. TO STATE BLVD.

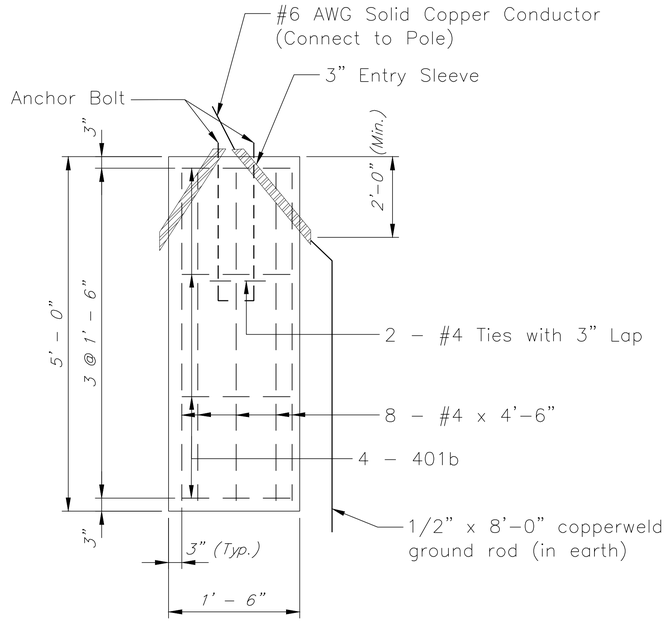
HORIZONTAL SCALE	
N/A	
VERTICAL SCALE	

DESIGNATION	SHEETS
0500695	61 of 82
CONTRACT	PROJECT NUMBER
	0500695

Ltg Summary Tables R3.dwg, rhensley, 1"=20'

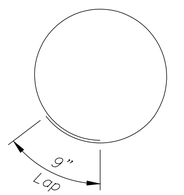
FEDERAL ROAD REGION No.



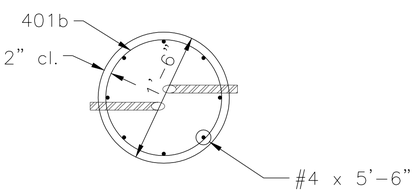


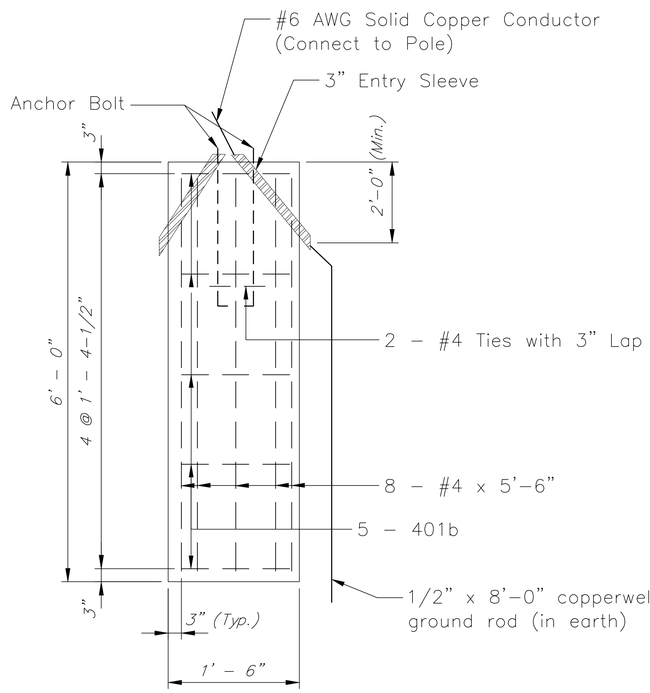
ROUND FOUNDATION DETAIL

SINGLE LUMINAIRE POLE (5' DEPTH)



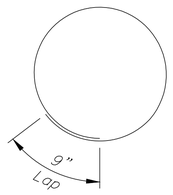
401b x 7'-9"





ROUND FOUNDATION DETAIL

TWIN LUMINAIRES POLE (6' DEPTH)



401b x 7'-9"

PRELIMINARY
(STAGE 3 PLANS)
NOT FOR CONSTUCTION

CORNERSTONE CIVIL GROUP
P.O. Box, Fishers, IN 46038
(317) 417-0403

RECOMMENDED FOR APPROVAL _____ 2/26/13
DESIGN ENGINEER DATE

DESIGNED: REH | DRAWN: REH
CHECKED: REH | CHECKED: REH

CITY OF FORT WAYNE
MAPLECREST ROAD IMPROVEMENTS

LIGHTING DETAILS
LAKE AV. TO STATE BLVD.

HORIZONTAL SCALE	
1" = 30'	
VERTICAL SCALE	

DESIGNATION	SHEETS
0500695	62 of 82
CONTRACT	PROJECT NUMBER
	0500695

Ltg Plan R3.dwg, rhensley, 1"=30'

SHEET SIGN & POST SUMMARY

SIGN											POST									
PLAN SHEET NO. / LINE	SIGN LOCATION (STA.)	SIGN CODE	SIGN SIZE (IN x IN)	GROUND - MOUNTED SIGN AREA (ft^2)			DOUBLE FACED GROUND - MOUNTED SIGN AREA (ft2)			MOUNTED ON PANEL SIGN, AREA (ft^2)	U CHANNEL				SQUARE					
											POST LENGTH		POST LENGTH		2" X 2" - 12 GA. (TYPE 2)			2 1/4" X 2 1/4" - 12 GA. (TYPE 1)	
															REINFORCED ANCHOR			REINFORCED ANCHOR	
				0.080"	0.100"	0.125"	0.080"	0.100"	0.125"	0.080"	1	2	TYPE "A"	TYPE "B"	POST LENGTH (FT.)			POST LENGTH (FT.)	
											FT.	FT.	FT.	FT.	1	2	TOTAL	1	TOTAL
46 / "PR-1"	11+29 RT.	R5-2	30 X 30	6.25							13.60		13.60						
	12+40 RT.	R3-9cP	30 X 12	2.50							12.1		12.10						
	12+40 RT.	R2-1 (40)	24 X 30	5.00							13.6		13.60						
	13+50 RT.	R4-11	30 X 30	6.25							13.60		13.60						
	22+00 LT.	R2-1 (35)	24 X 30	5.00							13.6		13.60						
	23+45 RT.	D3-1	8 X 60					3.34			MOUNT ABOVE R1-1 (MAPLECREST RD)								
	23+45 RT.	D3-1	8 X 60					3.34			MOUNT ABOVE R1-1 (OLDE TOWN PKY)								
	23+45 RT.	R1-1	30 X 30	6.25							15	15.00	30.00						
47 / "PR-1"	40+50 LT.	R2-1	24 X 30	5.00							13.60		13.60						
	41+75 RT.	D3-1	8 X 60					3.34			MOUNT ABOVE R1-1 (MAPLECREST RD)								
	41+75 RT.	D3-1	8 X 54					3.00			MOUNT ABOVE R1-1 (CENTERTON DR)								
	41+75 RT.	R1-1	30 X 30	6.25							15.00	15.00	30.00						
	42+45 RT.	S1-1	30 X 30	6.25							14.6		14.60						
	42+45 RT.	W16-9P	24 X 12	2.00							MOUNT BELOW S1-1								
	43+60 LT.	R2-1 (30)	24 X 30	5.00							13.6		13.60						
	44+43 RT.	S1-1	30 X 30	6.25							14.6		14.60						
	44+43 RT.	W16-7P	24 X 12	2.00							MOUNT BELOW S1-1								
	44+58 LT.	S1-1	30 X 30	6.25							14.60		14.60						
	44+58 LT.	W16-7P	24 X 12	2.00							MOUNT BELOW S1-1								
	44+90 RT.	S1-1	30 X 30	6.25							14.60		14.60						
	44+90 RT.	W16-7P	24 X 12	2.00							MOUNT BELOW S1-1								
	45+11 LT.	S1-1	30 X 30	6.25							14.60		14.60						
	45+11 LT.	W16-7P	24 X 12	2.00							MOUNT BELOW S1-1								
	46+90 LT.	R6-2 (R)	24 X 30	5.00							13.60		13.60						
	46+90 LT.	R6-2 (L)	24 X 30	5.00							MOUNT OPPOSITE OF R6-2 (R)								
	47+07 RT.	R3-9b	24 X 36	6.00							14.10		14.10						
	48+00 RT.	D3-1	8 X 60					3.34			MOUNT ABOVE R1-1 (MAPLECREST RD)								
	48+00 RT.	D3-1	8 X 54					3.00			MOUNT ABOVE R1-1 (BENNINGTON DR)								
	48+00 RT.	R1-1	30 X 30	6.25							15.00	15.00	30.00						
	49+00 RT.	R2-1	24 X 30	5.00							13.60		13.60						
	49+08 LT.	R6-2 (L)	24 X 30	5.00							13.60		13.60						
	49+08 LT.	R6-2 (R)	24 X 30	5.00							MOUNT OPPOSITE OF R6-2 (R)								
	49+59 LT.	S1-1	30 X 30	6.25							14.60		14.60						
	49+59 LT.	W16-9P	24 X 12	2.00							MOUNT OPPOSITE OF R6-2 (R)								
	50+60 LT.	R3-9b	24 X 36	6.00							14.10		14.10						
	52+39 RT.	D3-1	8 X 60					3.34			MOUNT ABOVE R1-1 (MAPLECREST RD)								
	52+39 RT.	D3-1	8 X 60					3.34			MOUNT ABOVE R1-1 (GEORGETON LN)								
	52+39 RT.	R1-1	30 X 30	6.25							15.00	15.00	30.00						
	52+90 LT.	R4-11	30 X 30	6.25							13.60		13.60						
	54+00 LT.	R2-1 (30)	24 X 30	5.00							13.60		13.60						
49/"PR-1"	44+40 LT.	R3-5(L)	30X36	7.50							MOUNT ON SIGNAL MAST ARM								
	44+40 LT.	R10-12(L)	30X36	7.50							MOUNT ON SIGNAL MAST ARM								
	44+40 LT.	D3	18 X 54		6.75						MOUNT ON SIGNAL MAST ARM "MONARCH DR"								
	45+04 RT.	R3-5(L)	30X36	7.50							MOUNT ON SIGNAL MAST ARM								
	45+04 RT.	R10-12(L)	30X36	7.50							MOUNT ON SIGNAL MAST ARM								
	45+04 RT.	D3	18 X 54		6.75						MOUNT ON SIGNAL MAST ARM "MONARCH DR"								
49/"MONARCH"																			
	3+34 LT.	D3	18 X 66			8.25					MOUNT ON SIGNAL MAST ARM "MAPLECREST RD"								
	4+30 RT.	D3	18 X 66			8.25					MOUNT ON SIGNAL MAST ARM "MAPLECREST RD"								
				187.8	13.5	16.5	0.0	26.0	0.0	0.0			397.5	0.0			0.0		0.0

PAVEMENT MARKINGS SUMMARY

LOCATION	LINE, MULTI-COMP., BROKEN, WHITE 4 IN (32)	LINE, MULTI-COMP., SOLID, YELLOW 4 IN (33)	LINE, MULTI-COMP., SOLID, WHITE 4 IN (34)	LINE, MULTI-COMP., SOLID, YELLOW 8 IN (35)	LINE, MULTI-COMP., BROKEN, YELLOW 4 IN (36)	PVMT. MSG. MARKING, MULTI-COMP., CROSSWALK 24 IN. & 24" O.C. (37)	PAVEMENT MESSAGE MARKING, MULTI-COMP., LANE INDICATION ARROW (38)	TRANSVERSE MARKINGS, MULTI-COMP., STOP LINE 24 INCHES (39)	LINE, MULTI-COMP., SOLID, CROSSWALK, YELLOW, 12 IN, 2FT SPACING (40)	PVMT. MSG. MARKING, MULTI-COMP., *SHARED LANE (41)
	LFT	LFT	LFT	LFT	LFT	LFT	EACH	LFT	LFT	EACH
LINE PR-1										
10+83 TO 22+75	600							50		
10+83 TO 11+84		202	101				3			2
11+84 TO 12+82				196					54	
12+82 TO 22+75		1986								8
23+50 TO 24+50		190	95							
23+50 TO 27+40	200						2			4
26+45 TO 27+20				400					176	
26+80 TO 27+40		150	75							
27+80 TO 29+65				370					105	
27+80 TO 44+45	840									14
29+65 TO 44+44		2311					1			
43+93 TO 44+45			75				1	32		
44+45 TO 45+00										
45+07 TO 46+07		204	102							
45+07 TO 55+47	480						10			10
46+07 TO 51+59		1402		500	200					
51+59 TO 56+00		700	341					40		
LAKE AVENUE						576		123		
OLDE TOWNE PKWY						220		42		
CENTERTON DRIVE						120		14		
MONARCH ROAD								102		
BENNINGTON DRIVE						110		15		
GEORGETOWN LANE						144		42		
STATE BOULEVARD						260		55		
TOTALS	2120	7145	789	1466	200	1430	17	343	335	38

SODDING SUMMARY TABLE

Line "PR-1" & "G"

STATION	TO	STATION	LT	RT	LENGTH	AVG. WIDTH	AREA (SYS)
10+75		27+15	X		1640	6	1094
10+75		27+15	X		1640	2.5	456
12+82		22+50	X	X	968	9	968
11+03		22+55		X	1152	6	768
10+00		20+60		X	1060	1.5	177
10+83		13+37		X	254	6	170
20+60		22+67		X	207	12	276
27+90		31+18	X		328	6	219
27+84		31+20	X		336	3	112
23+48		40+73		X	1725	6	1150
23+41		41+40		X	1799	3	600
23+37		25+00		X	163	9	163
31+64		44+40	X		1276	6	851
31+56		44+60	X		1304	2.5	363
41+80		42+77		X	97	6	65
41+70		42+82		X	112	5	63
42+98		44+40		X	142	6	95
42+98		44+60		X	162	5	90
45+07		46+86	X		179	6	120
44+85		46+98	X		213	2	48
45+07		45+98		X	91	6	61
44+98		46+02		X	104	3	35
46+18		47+60		X	142	6	95
46+18		47+69		X	151	4	68
47+31		48+50	X		119	6	80
47+24		48+59	X		135	3	45
48+02		49+71		X	169	6	113
48+00		49+75		X	175	5	98
49+04		49+74	X		70	5	39
48+93		49+79	X		86	6	58
50+15		51+78	X		163	3	55
50+09		51+82	X		173	4	77
50+10		51+70		X	160	3	54
49+50		51+80		X	230	6	154
52+21		52+94	X		73	17	138
54+28		54+69	X		41	14	64
55+09		55+40	X		31	11	38
55+41		56+00		X	59	4	27
LINE "G"							
10+45		11+23		X	78	5	44
11+48		11+95		X	47	7	37
10+38		10+80	X		42	11	52
11+30		11+95	X		65	8	58
TOTAL SYS							9338

MAILBOX TABLE & APPROACHES

LT/RT	CL BOX STATION	DESCRIPTION	WIDTH (FT)	SINGLE	DOUBLE	
RT	43+10	--	--	X		
RT	45+44	--	--	X		
RT	46+30	--	--	X		
RT	47+34	--	--	X		
TOTAL				**4 EA.**	**0 EA.**	

SODDING QUANTITY SUMMARY			
SODDING, NURSERY		=	**9338 SYS**
WATER	**4 gal/SYS**	=	**37352 gallons**
	1000 gal/kGAL	=	**38 kGAL**

A&Z ENGINEERING LLC
9017 Coldwater Road, Suite 500
Fort Wayne, IN 46825
260.485.7077
www.az-engineering.net

PRELIMINARY USE ONLY
NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL
DESIGN ENGINEER — DATE

DESIGNED: AJO — DRAWN: JLS
CHECKED: AJO — CHECKED: AJO

CITY OF FORT WAYNE
MAPLECREST ROAD IMPROVEMENTS

MISCELLANEOUS TABLES

HORIZONTAL SCALE	
N/A	
VERTICAL SCALE	
N/A	
DESIGNATION	SHEETS
0500695	63 of 82
CONTRACT	PROJECT NUMBER
R-33886	0500695

S:\2009 Projects\09-192 Fort Wayne - Maplecrest Road\CAD\09192 - MT.dwg ---- 2/22/2013 10:41 AM ---- WesDowning

PAVEMENT QUANTITIES AND APPROACH TABLE

LOCATION	DESCRIPTION (APPROACH TYPE OR CLASS)	WIDTH	LENGTH	RADII	DISTANCE BEYOND R/W LINE	SURFACE BEYOND R/W LINE			GRADE		EXCAVATION		QC/QA HMA MATERIALS										ASPHALT FOR TACK COAT	PCCP FOR APPROACHES		SUBGRADE TREATMENT IA	SUBGRADE TREATMENT IIIA	COMP. AGGREGATE NO. 53, BASE	COARSE AGGREGATE NO. 8	MILLING, TRANSITION	CURB, CONCRETE	CURB, INTEGRAL, CONCRETE	CURB & GUTTER, COMBINED, CONCRETE, MODIFIED	CURB, CONCRETE, ROLLED	SIDEWALK, CONCRETE	CURB RAMP, TYPE B	CURB RAMP, TYPE E	CURB RAMP, TYPE F	CURB RAMP, TYPE G	CURB RAMP, TYPE H	PCCP BASE PATCHING, 9 IN.	PAVEMENT REMOVAL	PCCP FOR STRUCTURE INSTALLATION, 9 IN.
													SURFACE 9.5 mm	INTERMED. 19.0 mm	BASE 25.0 mm	HMA FOR APPROACHES, TYPE B			VARIABLE DEPTH HMA INTER. TYPE B, 19.0 mm	WIDENING WITH HMA, TYPE B	HMA FOR STRUCTURE INSTALLATION, TYPE B																				
						COMP. AGGREGATE FOR SURFACE	HMA FOR APPROACHES	PCCP FOR APPROACHES					LBS. PER SYD.			LBS. PER SYD.			LBS. PER SYD.								DEPTH	DEPTH															
									1	2	CUT	FILL	165	275	440	165	880	1320	220	880	880		6 IN.	9 IN.			6 IN.	4 IN.													
		FT	FT	FT	FT	SYS	SYS	SYS	%	%	CYS	CYS	SYS	SYS	SYS	SYS	SYS	SYS	SYS	SYS	SYS	SYS	SYS	SYS	SYS	SYS	SYS	SYS	LFT	LFT	LFT	LFT	SYS	SYS	SYS	SYS	SYS	SYS	SYS	SYS	SYS
													(K) (R)	(K)	(K)	(B1)	(L)	(B)	(R)	(W)			(C)	(C3)			(CP)	(CP)		(13)	(14)	(15)		(F)							(CP)
MAPLECREST ROAD																																									
LINE "PR-1"																																									
10+47 TO 14+00													2447	1012	1012				1435	43		4937	33		1576	33			563	232		865		499	20		70	16			
14+00 TO 19+00													2586	1840	1840				746			5172			2563					1000		1000		723							
19+00 TO 24+00													2780	1456	1456		284		1324	51		5611			2447					706		930	67	639				39			
24+00 TO 29+00													3078	1655	1655				1423	19		6175			2119							915		688							
29+00 TO 34+00													2513	1896	1896				617	67		5093			2408							920		703							
34+00 TO 39+00													2504	1571	1571				933	93		5101			2109					723		1000		723							
39+00 TO 44+00													3045	2584	2584		130		461			6090			3124							921		636				39			
44+00 TO 49+00													3173	1910	1910		342		1263	84		6430			2808					68		654		543		112		33			
49+00 TO 54+00													2696	837	837			135	1859	54		5446			1309	135			720	120	140	400		602				11	11		36	
54+00 TO 57+00																		71								71	14	14			100			48			53				56	14
57+00 TO 60+90																																X		X							
GEORGETOWN LANE																																									
LINE "G"																																									
10+00 TO 12+00													430				198		430			1256			310				230	70		82								
STREET APPROACHES																																									
OLDE TOWN PARKWAY	STREET APPR.	20	25														284								284																
CENTERTON DR.	STREET APPR.	24	30														130								130																
MONARCH DR. LT.	STREET APPR.	28	11														112								112																
MONARCH DR. RT.	STREET APPR.	28	11														119								119																
BENNINGTON DR.	STREET APPR.	28	17														111								111																
DRIVE APPROACHES																																									
LINE "PR-1"																																									
27+63 LT.	III	65	16	15-10																				190		190																
31+44 LT.	III	25	30	20-20																				86		86																
40+87.1 RT.	I	16	18	15-10																			47			47																
42+87.5 RT.	I	16	15	15-0																			46			46																
46+07.5 RT.	I	18	12	10-10																			36			36																
47+05.5 LT.	III	50	30	10-10														40						84		124																
48+78.5 LT.	III	60	30	15-10														56						102		158																
49+87.8 RT.	III	30	20	15-10														22						40		62																
49+92.8 LT.	III	35	15	15-10														12						59		71																
52+00 LT.	III	35	15	25-15														79						57		136																
54+03.3 LT.	III	40	10	25-15														29						46		75																
54+91.8 LT.	III	40	10	25-15														27						44		71																
55+09 RT.	IV	65	20	25-15												113		18								18																
LINE "G"																																									
11+05 LT.																		115								115																
11+35.3 RT.																		35								35																
LINE "MONARCH"																																									
3+14 RT.	R	17	17.0	NONE																			37			37																
TOTALS						0	0	0					25252	14761	14761	113	1710	639	10491	411	0	51311	199	708	21529	1546	14	14	1513	2919	240	7687	67	5804	20	112	123	138	11	0	92	14
ASPH. & AGGREGATE CONVERTED TO TONS						0	0						2084	2030	3248	10	753	422	1155	181	0	13					5	4													

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CITY OF FORT WAYNE
MAPLECREST ROAD IMPROVEMENTS

APPROACH TABLE

HORIZONTAL SCALE	
N/A	
VERTICAL SCALE	
N/A	

DESIGNATION	SHEETS		
0500695	64	of	82
CONTRACT	PROJECT NUMBER		
R-33886	0500695		

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STRUCTURE DATA

STRUCTURE NUMBER	LOCATION				STRUCTURE TYPE	SIZE	PIPE TYPE	LENGTH	SKEW	FLOW LINE			SERVICE LIFE	SITE DESIGNATION	pH	BACKFILL METHOD	STRUCTURE BACKFILL	VELOCITY	CONCRETE CLASS "A"	REVETMENT RIPRAP	GEOTEXTILE	PIPE END SECTION	GRATED BOX END SECTION			SAFETY METAL END SECTION			CONNECT TO STR. NO.	REMARKS
	STATION	LEFT	CROSS	RIGHT		IN.		FT.		COVER FT.	UP STREAM ELEV.	DOWN STREAM ELEV.	YR.				CYS	FPS	CYS	TONS	SYD	EA.	TYPE	SLOPE	EA.	TYPE	SLOPE	EA.		
100	11+00	X			INLET II(FW)-C(FW)	12	2	65		3.1	772.30	771.96	75	NA	7.0	1	26	3.5												101	
101	11+00			X	INLET II(FW)-C(FW)	12	2	15		3.6	771.86	771.79	75	NA	7.0	1	6	3.5												202	
102	12+00	X			INLET II(FW)-C(FW)	12	2	100		3.0	773.60	772.40	75	NA	7.0	1	34	5.4												100	
103	12+00			X	INLET II(FW)-C(FW)	12	2	100		3.0	773.68	772.43	75	NA	7.0	1	34	5.5												101	
104	14+00			X	INLET II(FW)-C(FW)	12	2	100		3.0	773.85	773.15	75	NA	7.0	1	34	4.1												106	
105	14+25	X			INLET II(FW)-C(FW)	12	2	100		3.0	773.68	773.03	75	NA	7.0	1	34	4.0												107	
106	15+00			X	INLET II(FW)-C(FW)	12	2	90		3.1	773.05	772.35	75	NA	7.0	1	37	4.1												110	
107	15+25	X			INLET II(FW)-C(FW)	12	2	65		3.1	772.93	772.44	75	NA	7.0	1	27	4.0												108	
108	16+00	X			INLET II(FW)-C(FW)	12	2	20		3.3	772.34	772.24	75	NA	7.0	1	8	3.5												109	
109	15+90	X			MH I(FW)-A(FW)	24	2	39		12.5	761.92	761.77	75	NA	7.0	1	123	5.0												110	
110	15+90			X	INLET II(FW)-C(FW)	24	2	6		3.4	761.80	761.59	75	NA	7.0	1	6	3.6												203	
111	16+60			X	INLET II(FW)-C(FW)	12	2	70		3.2	772.74	772.44	75	NA	7.0	1	22	3.5												110	
112	16+75	X			INLET II(FW)-C(FW)	12	2	85		3.2	772.81	772.44	75	NA	7.0	1	27	3.5												108	
113	17+75	X			INLET II(FW)-C(FW)	12	2	100		3.0	773.41	772.91	75	NA	7.0	1	34	3.5												112	
114	17+75			X	INLET II(FW)-C(FW)	12	2	115		3.0	773.41	772.84	75	NA	7.0	1	39	3.5												111	
115	18+80	X			MH I(FW)-A(FW)	24	2	290		12.7	762.89	762.02	75	NA	7.0	1	739	5.0												109	
116	19+70			X	INLET II(FW)-C(FW)	12	2	80		3.0	773.54	773.14	75	NA	7.0	1	27	3.5												118	
117	20+00	X			INLET II(FW)-C(FW)	12	2	110		3.0	773.39	772.84	75	NA	7.0	1	37	3.5												119	
118	20+50			X	INLET II(FW)-C(FW)	12	2	75		3.1	773.04	772.66	75	NA	7.0	1	26	3.5												120	
119	21+10	X			INLET II(FW)-C(FW)	12	2	65		3.1	772.74	772.42	75	NA	7.0	1	37	3.5												121	
120	21+25			X	INLET II(FW)-C(FW)	12	2	50		3.2	772.56	772.31	75	NA	7.0	1	18	3.5												123	
121	21+75	X			INLET II(FW)-C(FW)	12	2	15		3.4	772.32	772.23	75	NA	7.0	1	6	3.6												122	
122	21+75	X			MH I(FW)-A(FW)	24	2	295		10.5	763.87	762.99	75	NA	7.0	1	685	5.0												115	
123	21+75			X	INLET II(FW)-C(FW)	12	2	41		3.3	772.21	771.93	75	NA	7.0	1	15	4.1												122	
124	22+35	X			INLET II(FW)-C(FW)	12	2	60		3.0	772.90	772.60	75	NA	7.0	1	21	3.5												121	
125	22+45			X	INLET II(FW)-C(FW)	12	2	70		3.0	773.00	772.53	75	NA	7.0	1	24	4.0												123	
125A	22+67			X	INLET II(FW)-C(FW)	12	2	34		3.0	773.30	773.10	75	N/A	7.00	1	24	3.5												125	
126	23+70	X			INLET II(FW)-C(FW)	12	2	18		3.0	773.48	773.39	75	NA	7.0	1	7	3.5												128	
127	23+70			X	INLET II(FW)-C(FW)	12	2	38		3.0	773.60	773.40	75	NA	7.0	1	14	3.5												128	
127A	23+36			X	INLET II(FW)-C(FW)	12	2	40		3.0	773.90	773.70	75	NA	7.0	1	14	5.0												127	
128	23+70	X			MH I(FW)-A(FW)	24	2	195		10.7	764.56	763.97	75	NA	7.0	1	412	5.0												122	
129	25+80			X	INLET II(FW)-C(FW)	12	2	33		3.8	772.81	772.71	75	NA	7.0	1	14	2.7												131	
130	25+90	X			INLET II(FW)-C(FW)	12	2	25		3.0	773.59	773.51	75	NA	7.0	1	8	2.7												131	
131	25+80	X			MH I(FW)-A(FW)	24	2	210		9.5	765.18	764.66	75	NA	7.0	1	421	4.5												128	
132	26+80			X	INLET II(FW)-C(FW)	12	2	100		3.0	773.21	772.91	75	NA	7.0	1	38	2.7												129	
133	27+15	X			INLET II(FW)-C(FW)	12	2	125		2.0	774.06	773.69	75	NA	7.0	1	34	2.7												130	
134	27+80.00			X	INLET II(FW)-C(FW)	12	2	20		3.6	772.16	772.05	75	NA	7.0	1	8	3.6												136	
135	28+00.00	X			MH I(FW)-A(FW)	21	2	220		9.1	765.94	765.28	75	NA	7.0	1	374	4.3												131	
136	28+00.00			X	INLET II(FW)-C(FW)	12	2	27		3.9	771.95	771.80	75	NA	7.0	1	13	3.6												135	

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CITY OF FORT WAYNE
MAPLECREST ROAD IMPROVEMENTS

DRAINAGE CONSTRUCTION DETAIL
STRUCTURE DATA

HORIZONTAL SCALE	
N.T.S.	
VERTICAL SCALE	
N.T.S.	
DESIGNATION	SHEETS
0500695	65 of 82
CONTRACT	PROJECT NUMBER
R-33886	0500695

STRUCTURE DATA

STRUCTURE NUMBER	LOCATION				STRUCTURE TYPE	SIZE	PIPE TYPE	LENGTH	SKEW	FLOW LINE			SERVICE LIFE	SITE DESIGNATION	pH	BACKFILL METHOD	STRUCTURE BACKFILL	VELOCITY	CONCRETE CLASS "A"	REVETMENT RIPRAP	GEOTEXTILE	PIPE END SECTION	GRATED BOX END SECTION			SAFETY METAL END SECTION			CONNECT TO STR. NO.	REMARKS
	STATION	LEFT	CROSS	RIGHT		IN.		FT.		COVER FT.	UP STREAM ELEV.	DOWN STREAM ELEV.	YR.				CYS	FPS	CYS	TONS	SYD	EA.	TYPE	SLOPE	EA.	TYPE	SLOPE	EA.		
137	27+95	X			INLET II(FW)-C(FW)	12	2	33		2.1	773.62	773.47	75	NA	7.0	1	9	3.3												135	
138	28+40	X			INLET II(FW)-C(FW)	12	2	47		2.1	773.93	773.72	75	NA	7.0	1	11	3.3												137	
139	28+80			X	INLET II(FW)-C(FW)	12	2	80		3.3	772.91	772.47	75	NA	7.0	1	30	3.6												136	
140	29+80			X	INLET II(FW)-C(FW)	12	2	100		3.0	773.68	773.13	75	NA	7.0	1	34	3.6												139	
141	29+60	X			INLET II(FW)-C(FW)	12	2	120		2.0	774.57	774.03	75	NA	7.0	1	26	3.3												138	
142	30+75	X			MH I(FW)-A(FW)	18	2	275		9.6	766.82	766.08	75	NA	7.0	1	458	3.6												135	
143	32+15	X			INLET II(FW)-C(FW)	12	2	120		2.0	774.43	773.77	75	NA	7.0	1	26	3.6												145	
144	32+05			X	INLET II(FW)-C(FW)	12	2	129		3.0	773.50	772.94	75	NA	7.0	1	42	3.3												146	
145	33+35	X			INLET II(FW)-C(FW)	12	2	21		2.5	773.27	773.15	75	NA	7.0	1	6	3.6												147	
146	33+35			X	INLET II(FW)-C(FW)	15	2	24		3.1	772.84	772.70	75	NA	7.0	1	13	5.6												147	
147	33+40	X			MH I(FW)-A(FW)	18	2	265		3.2	771.99	771.33	75	NA	7.0	1	173	3.6												142	
148	33+68			X	INLET II(FW)-C(FW)	12	2	35		2.7	773.44	773.33	75	NA	7.0	1	12	7.0												146	
149	33+65	X			INLET II(FW)-C(FW)	12	2	30		2.0	773.73	773.58	75	NA	7.0	1	7	3.5												145	
150	33+81	X			INLET III(FW)-F(FW)	12	2	22		2.0	771.98	771.87	75	NA	7.0	1	7	3.5												225	
151	33+90.00				INLET I(FW)-B(FW)	12	2	30		1.6	774.16	773.95	75	NA	7.0	1	15	4.0												148	
152	34+20	X			INLET II(FW)-C(FW)	12	2	36		2.4	773.22	773.10	75	NA	7.0	1	10	2.7												225	
153	34+20			X	INLET II(FW)-C(FW)	12	2	52		3.0	773.76	773.54	75	NA	7.0	1	19	3.5												148	
154	35+40	X			INLET II(FW)-C(FW)	12	2	118		1.9	773.68	773.32	75	NA	7.0	1	22	2.7												152	
155	35+60			X	INLET II(FW)-C(FW)	12	2	142		2.4	774.32	773.96	75	NA	7.0	1	29	2.7												153	
156	38+35			X	INLET II(FW)-C(FW)	12	2	110		3.0	772.82	772.07	75	NA	7.0	1	44	3.5												158	
157	38+90	X			INLET II(FW)-C(FW)	12	2	130		1.5	773.62	773.30	75	NA	7.0	1	3	4.9												229	
158	39+45			X	INLET II(FW)-C(FW)	12	2	105		3.0	771.97	770.76	75	NA	7.0	1	59	5.3												160	
159	40+20	X			INLET II(FW)-C(FW)	12	2	125		1.5	772.63	771.50	75	NA	7.0	1	6	4.9												162	
160	40+50			X	INLET II(FW)-C(FW)	12	2	70		3.1	770.66	769.90	75	NA	7.0	1	20	5.2												161	
161	41+20			X	INLET II(FW)-C(FW)	12	2	34		4.3	769.80	769.46	75	NA	7.0	1	35	4.9												163	
162	41+45	X			INLET II(FW)-C(FW)	12	2	14		1.8	771.28	771.17	75	NA	7.0	1	21	4.8												231	
163	41+54	X			MH I(FW)-A(FW)	27	2	47		3.0	768.50	768.37	75	NA	7.0	1	25	3.6												231	
164	41+91			X	INLET II(FW)-C(FW)	12	2	37		4.3	769.67	769.57	75	NA	7.0	1	19	4.9												163	
164A	41+42			X	INLET II(FW)-C(FW)	12	2	25		4.3	770.93	770.85	75	NA	7.0	1	17	4.9												164B	
164B	41+68			X	INLET II(FW)-C(FW)	12	2	29		4.3	770.75	770.68	75	NA	7.0	1	18	4.9												163	
165	42+00	X			INLET II(FW)-C(FW)	12	2	44		2.7	771.50	771.23	75	NA	7.0	1	3	3.6												231	
166	43+55	X			INLET II(FW)-C(FW)	12	2	50		3.5	771.03	770.78	75	NA	7.0	1	4	3.5												168	
167	43+55			X	INLET II(FW)-C(FW)	12	2	60		3.1	771.43	771.25	75	NA	7.0	1	16	2.7												169	
168	44+05	X			INLET II(FW)-C(FW)	12	2	43		4.3	770.68	770.50	75	NA	7.0	1	19	3.5												170	
169	44+15			X	INLET II(FW)-C(FW)	12	2	34		3.1	771.15	771.05	75	NA	7.0	1	20	2.7												173	
170	44+36	X			INLET II(FW)-C(FW)	12	2	18		5.1	770.40	770.30	75	NA	7.0	1	20	3.5												174	
171	44+52	X			MH IV(FW)-A(FW)	24	2	7		1.7	771.15	771.05	75	NA	7.0	1	13	5.8													CONNECT EXISTING PIPES
172	44+54			X	MH I(FW)-A(FW)	24	2	7		1.4	768.90	768.80	75	NA	7.0	1	25	5.8												0	

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DRAINAGE CONSTRUCTION DETAIL
STRUCTURE DATA

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STRUCTURE NUMBER	LOCATION				STRUCTURE TYPE	SIZE	PIPE TYPE	LENGTH	SKEW	FLOW LINE			SERVICE LIFE	SITE DESIGNATION	pH	BACKFILL METHOD	STRUCTURE BACKFILL	VELOCITY	CONCRETE CLASS "A"	REVETMENT RIPRAP	GEOTEXTILE	PIPE END SECTION	GRATED BOX END SECTION			SAFETY METAL END SECTION			CONNECT TO STR. NO.	REMARKS
	STATION	LEFT	CROSS	RIGHT		IN.		FT.		COVER FT.	UP STREAM ELEV.	DOWN STREAM ELEV.	YR.				CYS	FPS	CYS	TONS	SYD	EA.	TYPE	SLOPE	EA.	TYPE	SLOPE	EA.		
173	44+52			X	MH I(FW)-A(FW)	24	2	48		5.1	769.50	768.80	75	NA	7.0	1	5	3.5												171	
174	44+56			X	MH I(FW)-A(FW)	24	2	30		1.7	769.70	769.60	75	NA	7.0	1	2	5.8												173	
175	44+63			X	INLET I(FW)-R(FW)	12	2	40		5.1	AZ	AZ	75	NA	7.0	1	15	3.5												172	
176	44+60			X	INLET II(FW)-C(FW)	12	2	4		1.4	770.80	770.70	75	NA	7.0	1	2	5.8												174	
177	44+60			X	INLET II(FW)-C(FW)	12	2	26		1.4	771.00	770.90	75	NA	7.0	1	27	5.8												176	
178					NOT USED																									
179	45+15	X			INLET II(FW)-C(FW)	12	2	61		1.7	771.79	771.57	75	NA	7.0	1	8	2.7												171	
180	45+15			X	INLET II(FW)-C(FW)	12	2	61		1.7	771.77	771.59	75	NA	7.0	1	6	2.7												176	
181	45+70	X			INLET II(FW)-C(FW)	12	2	55		2.0	772.04	771.86	75	NA	7.0	1	6	2.7												179	
182	45+80			X	INLET II(FW)-C(FW)	12	2	65		2.0	772.06	771.87	75	NA	7.0	1	20	2.7												180	
183	46+65.00	X			INLET II(FW)-C(FW)	12	2	38		2.0	772.50	772.40	75	NA	7.0	1	13	2.7												238	
184	46+65.00				INLET II(FW)-C(FW)	12	2	56		2.0	772.77	772.60	75	NA	7.0	1	10	2.7												183	
185	48+20	X			INLET II(FW)-C(FW)	12	2	117		3.0	774.15	772.40	75	NA	7.0	1	39	3.5												238	
186	48+20			X	INLET II(FW)-C(FW)	12	2	56		3.7	774.60	774.44	75	NA	7.0	1	19	2.7												185	
187	48+96	X			INLET II(FW)-C(FW)	12	2	34		3.0	770.50	770.20	75	NA	7.0	1	12	3.5												242	
187A	49+02	X			INLET I(FW)-B(FW)	12	2	8		3.0	775.30	775.20	75	NA	7.0	1	3	3.5												187	
188	49+25	X			INLET II(FW)-C(FW)	12	2	14		3.0	776.05	776.01	75	NA	7.0	1	5	2.7												243	
189	49+25			X	INLET II(FW)-C(FW)	12	2	33		3.1	775.95	775.78	75	NA	7.0	1	11	3.5												244	
190	49+55			X	MH I(FW)-A(FW)	15	2	20		6.3	775.00	773.73	75	NA	7.0	1	14	3.1												243	
191	51+00			X	INLET II(FW)-C(FW)	12	2	59		4.4	779.59	779.45	75	NA	7.0	1	29	3.6												192	
192	51+00	X			MH I(FW)-C(FW)	12	2	145		3.0	778.35	776.00	75	NA	7.0	1	49	3.8												190	
193	51+82			X	MH I(FW)-A(FW)	12	2	82		4.1	780.20	779.70	75	NA	7.0	1		3.5												191	
193A	10+90.5			X	INLET II(FW)-B(FW)	12	2	60		3.0	780.40	780.30	75	NA	7.0	1	20	3.5												193	
194	52+45	X			INLET II(FW)-C(FW)	12	2	62		3.0	781.20	780.90	75	NA	7.0	1	21	4.1												195	
195	52+55			X	INLET II(FW)-C(FW)	12	2	24		3.0	780.80	780.40	75	NA	7.0	1	9	6.5												247	
196	54+60			X	INLET II(FW)-C(FW)	12	2	11		3.0	783.61	783.56	75	NA	7.0	1	4	3.5												249	
200	11+00	X			EXISTING INLET	15	2	7								1	3													REMOVE EXIST INLET INSTALL 7' OF 15"
201	11+00			X	EXISTING INLET	15	2	7								1	3													REMOVE EXIST INLET INSTALL 7' OF 15"
202	11+00			X	EXISTING MANHOLE																									MH CORE FOR 12" PIPE-ADJUST CASTING TO GRADE
203	15+90			X	EXISTING MANHOLE																									REMOVE EXIST INLET INSTALL 7' OF 15"
204	11+93	X			EXISTING INLET																									NO CHANGE REQUIRED
205	15+99	X			EXISTING INLET																									REMOVE & PLUG PIPE
206	16+00			x	EXISTING INLET																									REMOVE INLET & PIPE (E) PLUG PIPE (W)
206	16+00			x	EXISTING INLET																									REMOVE INLET & PIPE (E) PLUG PIPE (W)
208	21+85	X			EXISTING MANHOLE																									ADJUST CASTING TO GRADE
209	21+83			X	EXISTING MANHOLE																									ADJUST CASTING TO GRADE
210	21+82			X	EXISTING MANHOLE																									ADJUST CASTING TO GRADE
211	21+90			x	EXISTING INLET																									REMOVE INLET & PLUG PIPE
																	355													

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DESIGN ENGINEER — DATE

DESIGNED: DC — DRAWN: BD
CHECKED: JM — CHECKED: JC

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CITY OF FORT WAYNE
MAPLECREST ROAD IMPROVEMENTS

DRAINAGE CONSTRUCTION DETAIL
STRUCTURE DATA

HORIZONTAL SCALE	
N.T.S.	
VERTICAL SCALE	
N.T.S.	

DESIGNATION	SHEETS
0500695	67 of 82
CONTRACT	PROJECT NUMBER
R-33886	0500695

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STRUCTURE DATA

STRUCTURE NUMBER	LOCATION				STRUCTURE TYPE	SIZE	PIPE TYPE	LENGTH	SKEW	FLOW LINE			SERVICE LIFE	SITE DESIGNATION	pH	BACKFILL METHOD	STRUCTURE BACKFILL	VELOCITY	CONCRETE CLASS "A"	REVETMENT RIPRAP	GEOTEXTILE	PIPE END SECTION	GRATED BOX END SECTION			SAFETY METAL END SECTION			CONNECT TO STR. NO.	REMARKS
	STATION	LEFT	CROSS	RIGHT		IN.		FT.		COVER FT.	UP STREAM ELEV.	DOWN STREAM ELEV.	YR.				CYS	FPS	CYS	TONS	SYD	EA.	TYPE	SLOPE	EA.	TYPE	SLOPE	EA.		
214	23+70			X	EXISTING INLET																									REMOVE EXIST INLET AND PLUG PIPE
215	27+83	X			EXISTING INLET																									NO CHANGE REQUIRED
216	27+88	X			EXISTING MANHOLE																									ADJUST CASTING TO GRADE PLUG 15" RCP
217	27+87			X	EXISTING MANHOLE																									ADJUST CASTING TO GRADE
218	27+87			X	EXISTING MANHOLE																									ADJUST CASTING TO GRADE
219	27+91			X	EXISTING INLET																									REMOVE EXIST INLET AND PLUG PIPE
221	32+59			X	EXISTING INLET																									NO CHANGE REQUIRED
222	32+76			X	EXISTING INLET																									NO CHANGE REQUIRED
223	32+89	X			EXISTING MANHOLE																									ADJUST CASTING TO GRADE
224	33+84	X			EXISTING INLET																									REMOVE INLET AND PIPE
225	33+82	X			EXISTING MANHOLE																									RECONSTRUCT STR. (1') W/ CASTING TYPE A (FW)
226	33+82	X			EXISTING INLET																									REMOVE EXIST INLET AND PLUG PIPES
227	33+83			X	EXISTING INLET																									REMOVE EXIST INLET AND PLUG PIPES
228	37+18	X			EXISTING MANHOLE																									RECONSTRUCT STR. (8') W/ CASTING TYPE A (FW)
229	39+20	X			EXISTING MANHOLE																									RECONSTRUCT STR. (8') W/ CASTING TYPE C (FW)
230	41+35			X	EXISTING INLET																									REMOVE EXIST INLET AND PLUG PIPE
231	41+56	X			EXISTING MANHOLE																									MH TYPE IV-A(FW)- RECONNECT 54"CMP
232	41+64			X	EXISTING INLET																									REMOVE EXIST INLET AND PLUG PIPES
233	41+72			X	EXISTING INLET																									REMOVE EXIST INLET AND PLUG PIPES
234	42+15	X			EXISTING MANHOLE																									RECONSTRUCT STR. (3') W/ CASTING TYPE A (FW)
235	44+52			X	EXISTING INLET																									REMOVE EXIST INLET AND PLUG PIPES
236	45+84			X	EXISTING INLET																									REMOVE EXIST INLET AND PLUG PIPE
237	44+89	X			EXISTING INLET																									REMOVE EXIST INLET AND PLUG PIPE
238	47+03	X			EXISTING MANHOLE																									RECONSTRUCT STR. (2.5') W/ CASTING TYPE C (FW)
239	47+29	X			EXISTING INLET																									REMOVE EXIST INLET AND PLUG PIPES
240	47+96			X	EXISTING INLET																									REMOVE EXIST INLET AND PLUG PIPE
241	48+13			X	EXISTING INLET																									REMOVE EXIST INLET AND PLUG PIPE
243	49+38	X			EXISTING MANHOLE																									RECONSTRUCT STR. (6.5') W/ CASTING TYPE A (FW)
244	49+57			X	EXISTING MANHOLE																									RECONSTRUCT STR. (6.5') W/ CASTING TYPE A (FW)
247	52+33			X	EXISTING MANHOLE																									FURNISH CASTING A (FW) AND ADJUST TO GRADE
248	52+54			X	EXISTING INLET																									REMOVE EXIST INLET AND PLUG PIPE
302	22+51	X			EXISTING SAN. MANHOLE																									ADJUST CASTING TO GRADE
303	25+69	X			EXISTING SAN. MANHOLE																									ADJUST CASTING TO GRADE
304	25+69	X			EXISTING SAN. MANHOLE																									NO CHANGE REQUIERED
305	25+69	X			EXISTING SAN. MANHOLE																									NO CHANGE REQUIERED
307	39+23			X	EXISTING SAN. MANHOLE																									ADJUST CASTING TO GRADE
308	41+44			X	EXISTING SAN. MANHOLE																									ADJUST CASTING TO GRADE
314	52+60	X			EXISTING SAN. MANHOLE																									ADJUST CASTING TO GRADE
315	41+62			X	EXISTING SAN. MANHOLE																									ADJUST CASTING TO GRADE

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DESIGN ENGINEER ____ DATE ____

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DRAINAGE CONSTRUCTION DETAIL
STRUCTURE DATA

HORIZONTAL SCALE	
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			STRUCTURE NUMBER																				
			100-108	109	110	111-114	115	116-121	122	123-127A	128	129-130	131	132-134	135	136-141	142	143-145	146	147	148-150	151	152-156	157
PIPE TYPE / SHAPE			2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR
SMOOTH PIPE SIZE			12	24	24	12	24	12	24	12	24	12	24	12	21	12	18	12	15	18	12	12	12	12
CORRUGATED PIPE SIZE																								
RCP/RCHEP (S)	CLASS		II	III	II	II	III	II	II	II	II	II	II	II	II	II	III	II	II	II	II	II	II	II
	$D_{0.01}$ RATING		D0.01=1000	D0.01=1250	D0.01=1000	D0.01=1000	D0.01=1250	D0.01=1000	D0.01=1000	D0.01=1000	D0.01=1000	D0.01=1000	D0.01=1000	D0.01=1000	D0.01=1000	D0.01=1000	D0.01=1250	D0.01=1000	D0.01=1000	D0.01=1000	D0.01=1000	D0.01=1000	D0.01=1000	D0.01=1000
NON-REINFORCED CONCRETE PIPE, CLASS 3 (S)			OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
CORRUGATED PE PIPE, TYPE S (S)*			OK		OK	OK		OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		OK	
RIBBED PE PIPE (S)*				OK	OK		OK		OK		OK		OK		OK		OK			OK				
SMOOTH WALL PE PIPE (S)* / MAXIMUM DR			OK/26.00	OK/26.00	OK/26.00	OK/26.00	OK/26.00	OK/26.00	OK/26.00	OK/26.00	OK/26.00	OK/26.00	OK/26.00	OK/26.00	OK/26.00	OK/26.00	OK/26.00	OK/26.00	OK/26.00	OK/26.00	OK/26.00		OK/26.00	
PROFILE WALL PVC PIPE (S)			OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		OK	
SMOOTH WALL PVC PIPE (S)*			OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK		OK	
VITRIFIED CLAY PIPE, EXTRA STRENGTH (S)			OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
CORRUGATED STEEL PIPE / PIPE-ARCH	FULLY BIT. PAVED & LINED (S)	CORR. PROFILE																						
		THICKNESS																						
	ZINC COATED (C)	CORR. PROFILE																						
		THICKNESS																						
	ZINC COATED W/ BPI (C)	CORR. PROFILE																						
		THICKNESS																						
	ALUM. COATED TYPE 2 (C)	CORR. PROFILE																						
		THICKNESS																						
	ALUM. COATED TYPE 2 W/ BPI (C)	CORR. PROFILE																						
		THICKNESS																						
	POLYMER PRECOATED GALVANIZED (C)	CORR. PROFILE																						
		THICKNESS																						
	POLYMER PRECOATED GALVANIZED W/ BPI (C)	CORR. PROFILE																						
		THICKNESS																						
	POLYMER PRECOATED GALVANIZED	CORR. PROFILE		OK/2 2/3 x 1/2	OK/2 2/3 x 1/2		OK/2 2/3 x 1/2		OK/2 2/3 x 1/2		OK/2 2/3 x 1/2		OK/2 2/3 x 1/2		OK/2 2/3 x 1/2		OK/2 2/3 x 1/2			OK/2 2/3 x 1/2				
	CORRUGATED STEEL PIPE TYPE 1A (S)	THICKNESS		O.109	O.109		O.109		O.109		O.109		O.109		O.109		O.109			O.109				
	FIBER BONDED BITUMINOUS COATED (C)	CORR. PROFILE																						
		THICKNESS																						
	FIBER BONDED BITUMINOUS COATED W/ BPI (C)	CORR. PROFILE																						
		THICKNESS																						
	CORRUGATED ALUM. ALLOY PIPE (C)	CORR. PROFILE																						
		THICKNESS																						
	CORRUGATED ALUM. ALLOY PIPE W/ BPI (C)	CORR. PROFILE																						
		THICKNESS																						
	STR. PLATE ALUMINUM ALLOY PLATE (C)	CORR. PROFILE																						
		THICKNESS																						
	STR. PLATE ALUMINUM ALLOY PLATE W/ CFP (C)	CORR. PROFILE																						
		THICKNESS																						
	STR. PLATE STEEL PIPE (C)	CORR. PROFILE																						
		THICKNESS **																						
	STR. PLATE STEEL PIPE W/ CFP (C)	CORR. PROFILE																						
		THICKNESS **																						

			STRUCTURE NUMBER																
			158	159	160	161	162	163	164-170	171	172	173	174	175	176-177	179-180	181-189	190	191-196
PIPE TYPE / SHAPE			2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR
SMOOTH PIPE SIZE			12	12	12	12	12	27	12	24	24	48	24	12	12	12	12	15	12
CORRUGATED PIPE SIZE																			
RCP/RCHEP (S)	CLASS		II	II	II	II	II	II	II	II	II	II	II	II	II	II	II	II	II
	$D_{0.01}$ RATING		D0.01=1000	D0.01=1000	D0.01=1000	D0.01=1000	D0.01=1000	D0.01=1000	D0.01=1000	D0.01=1000	D0.01=1000	D0.01=1000	D0.01=1000	D0.01=1000	D0.01=1000	D0.01=1000	D0.01=1000	D0.01=1000	D0.01=1000
NON-REINFORCED CONCRETE PIPE, CLASS 3 (S)			OK	OK	OK	OK	OK	OK	OK	OK			OK	OK	OK	OK	OK	OK	OK
CORRUGATED PE PIPE, TYPE S (S)*			OK		OK	OK								OK			OK	OK	OK
RIBBED PE PIPE (S)*									OK								OK		
SMOOTH WALL PE PIPE (S)* / MAXIMUM DR			OK/26.00		OK/26.00	OK/26.00		OK/26.00	OK/26.00					OK/26.00			OK/26.00	OK/26.00	OK/26.00
PROFILE WALL PVC PIPE (S)			OK		OK	OK		OK	OK					OK			OK	OK	OK
SMOOTH WALL PVC PIPE (S)*			OK		OK	OK		OK	OK					OK				OK	OK
VITRIFIED CLAY PIPE, EXTRA STRENGTH (S)			OK	OK	OK	OK	OK	OK	OK	OK	OK		OK	OK	OK	OK	OK	OK	OK
CORRUGATED STEEL PIPE / PIPE-ARCH	FULLY BIT. PAVED & LINED (S)	CORR. PROFILE																	
		THICKNESS																	
	ZINC COATED (C)	CORR. PROFILE																	
		THICKNESS																	
	ZINC COATED W/ BPI (C)	CORR. PROFILE																	
		THICKNESS																	
	ALUM. COATED TYPE 2 (C)	CORR. PROFILE																	
		THICKNESS																	
	ALUM. COATED TYPE 2 W/ BPI (C)	CORR. PROFILE																	
		THICKNESS																	
	POLYMER PRECOATED GALVANIZED (C)	CORR. PROFILE																	
		THICKNESS																	
	POLYMER PRECOATED GALVANIZED W/ BPI (C)	CORR. PROFILE																	
		THICKNESS																	
	POLYMER PRECOATED GALVANIZED	CORR. PROFILE						OK/2 2/3 x 1/2		OK/2 2/3 x 1/2	OK/2 2/3 x 1/2	OK/2 2/3 x 1/2	OK/2 2/3 x 1/2						
	CORRUGATED STEEL PIPE TYPE 1A (S)	THICKNESS						O.109		O.109	O.109	O.109	O.109						
	FIBER BONDED BITUMINOUS COATED (C)	CORR. PROFILE																	
		THICKNESS																	
	FIBER BONDED BITUMINOUS COATED W/ BPI (C)	CORR. PROFILE																	
		THICKNESS																	
	CORRUGATED ALUM. ALLOY PIPE (C)	CORR. PROFILE																	
		THICKNESS																	
	CORRUGATED ALUM. ALLOY PIPE W/ BPI (C)	CORR. PROFILE																	
		THICKNESS																	
	STR. PLATE ALUMINUM ALLOY PLATE (C)	CORR. PROFILE																	
		THICKNESS																	
	STR. PLATE ALUMINUM ALLOY PLATE W/ CFP (C)	CORR. PROFILE																	
		THICKNESS																	
	STR. PLATE STEEL PIPE (C)	CORR. PROFILE																	
		THICKNESS **																	
	STR. PLATE STEEL PIPE W/ CFP (C)	CORR. PROFILE																	
		THICKNESS **																	

LEGEND

RCP-	REINFORCED CONCRETE PIPE
RCHEP-	REINFORCED CONCRETE HORIZONTAL ELLIPTICAL PIPE
PE-	POLYETHYLENE
DR-	DIMENSION RATIO
PVC-	POLYVINYL CHLORIDE
BIT-	BITUMINOUS
CORR-	CORRUGATION
BPI-	BITUMINOUS PAVED INVERT
ALUM-	ALUMINUM
STR-	STRUCTURAL
CFP-	CONCRETE FIELD PAVING
CIR-	CIRCULAR PIPE
DEF-	DEFORMED PIPE
(S)-	SMOOTH PIPE MATERIAL
(C)-	CORRUGATED PIPE MATERIAL
OK-	ACCEPTABLE FOR USE
(LS)-	LOCK SEAM PIPE REQUIRED
*-	REFER TO STANDARD DRAWING 715-PHCL-18 OR 19 FOR NOMINAL DIAMETER APPROPRIATE FOR PAY ITEM DIAMETER
**-	TABULATED THICKNESS REFERS TO TOP & SIDE PLATES. BOTTOM PLATES SHALL BE OF NEXT GREATER AVAILABLE THICKNESS.

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CHECKED: WJZ — CHECKED: WJZ

CITY OF FORT WAYNE
MAPLECREST ROAD IMPROVEMENTS

PIPE MATERIALS SHEET

HORIZONTAL SCALE	
AS SHOWN	
VERTICAL SCALE	
N/A	
DESIGNATION	SHEETS
0500695	69 of 82
CONTRACT	PROJECT NUMBER
R-33886	0500695

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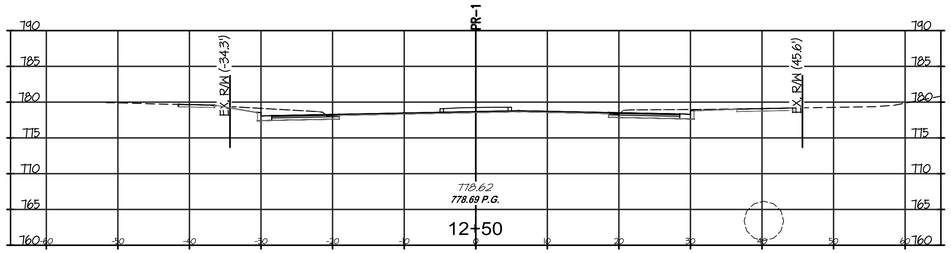
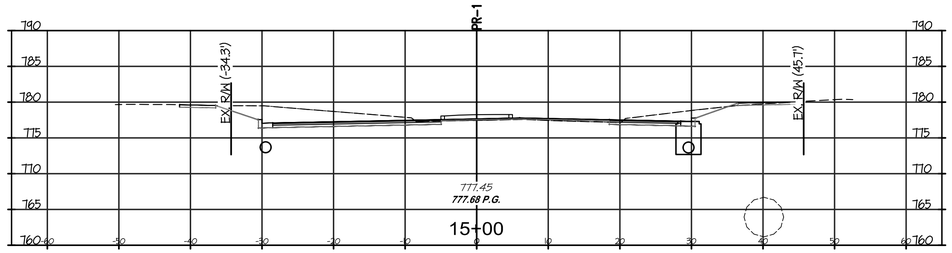


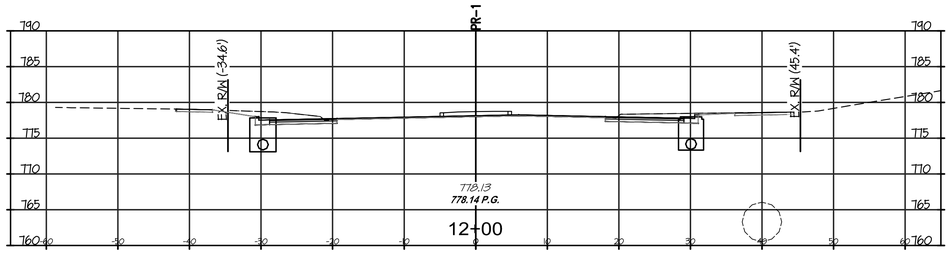
EARTHWORK
12+50

AC = 35.35
AF = 0.09
VC = 70.00
VF = 0.09



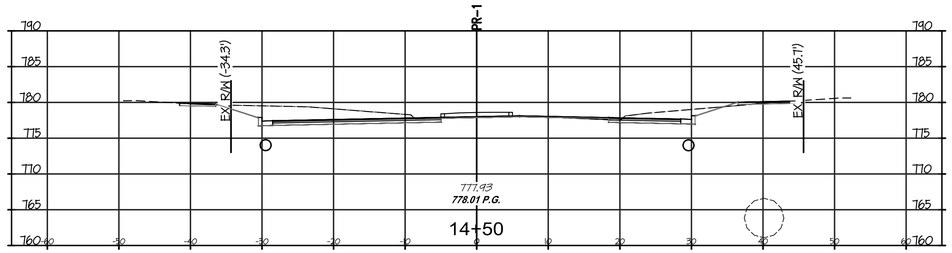
EARTHWORK
15+00

AC = 14.06
AF = 3.11
VC = 135.85
VF = 4.14



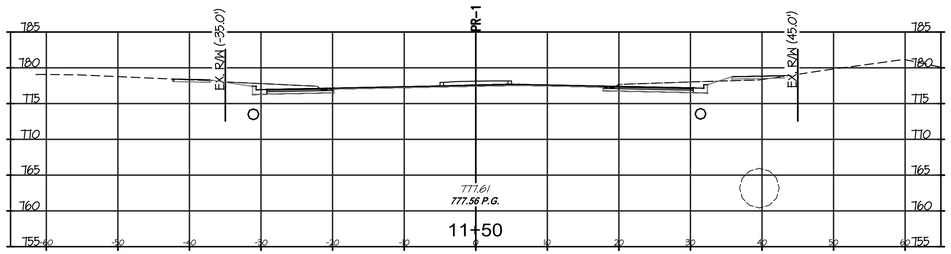
EARTHWORK
12+00

AC = 40.24
AF = 0.00
VC = 71.47
VF = 1.56



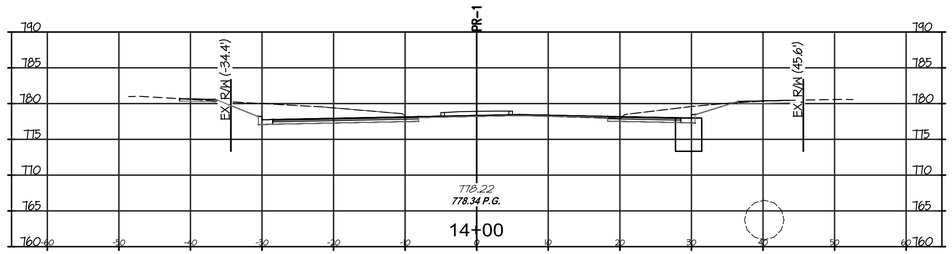
EARTHWORK
14+50

AC = 72.66
AF = 1.36
VC = 135.15
VF = 2.06



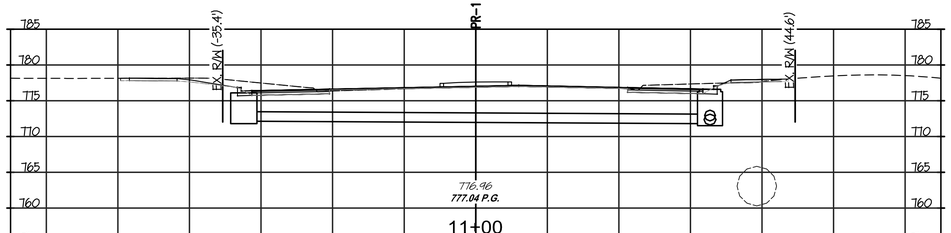
EARTHWORK
11+50

AC = 36.94
AF = 1.68
VC = 71.62
VF = 2.68



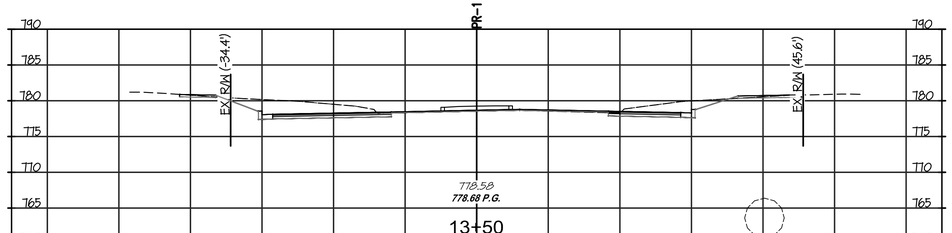
EARTHWORK
14+00

AC = 73.30
AF = 0.86
VC = 127.42
VF = 1.57



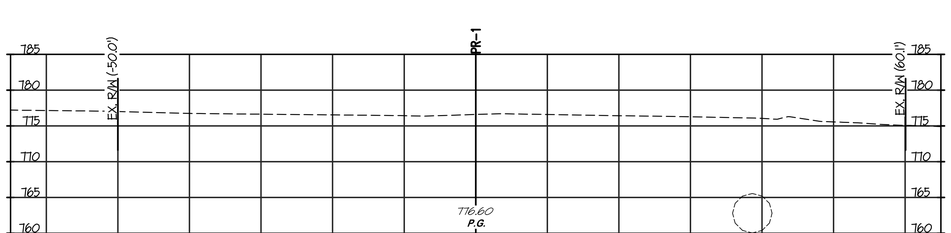
EARTHWORK
11+00

AC = 40.40
AF = 1.21
VC = 37.41
VF = 1.12



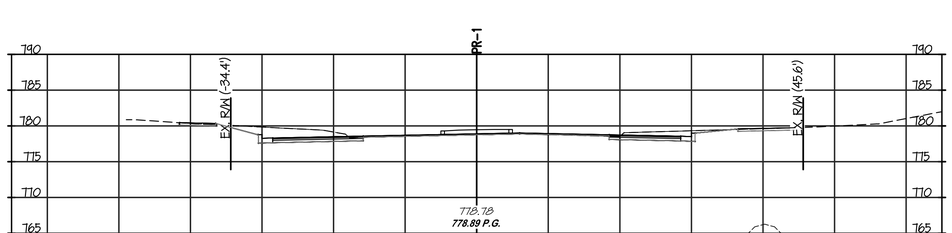
EARTHWORK
13+50

AC = 64.32
AF = 0.84
VC = 100.36
VF = 1.22



EARTHWORK
10+50

AC = 0.00
AF = 0.00
VC = 0.00
VF = 0.00



EARTHWORK
13+00

AC = 44.07
AF = 0.48
VC = 73.54
VF = 0.53

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DESIGN ENGINEER DATE

DESIGNED: PDR
DRAWN: PDR
CHECKED: AJO
CHECKED: WWD

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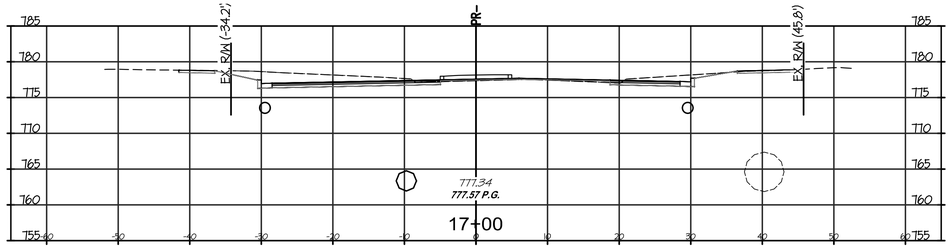
CITY OF FORT WAYNE
MAPLECREST ROAD IMPROVEMENTS

CROSS SECTIONS
MAPLECREST ROAD

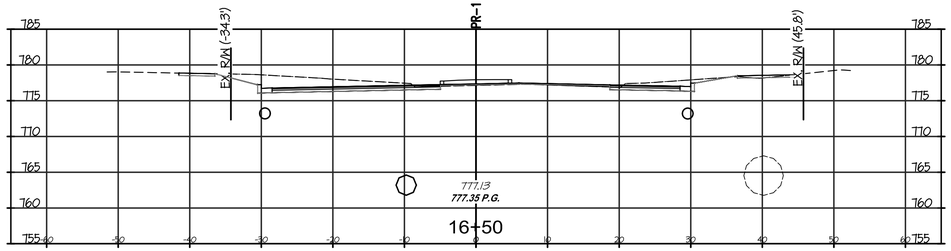
HORIZONTAL SCALE	
1"=10'	
VERTICAL SCALE	
N/A	
DESIGNATION	SHEETS
0500695	TO 10 of 82
CONTRACT	PROJECT NUMBER
R-33886	0500695

S:\2009 Projects\09-192 Fort Wayne - Maplecrest Road\CAD\XS01 (1).dwg --- 3/1/2013 9:50 AM --- PaulHoward



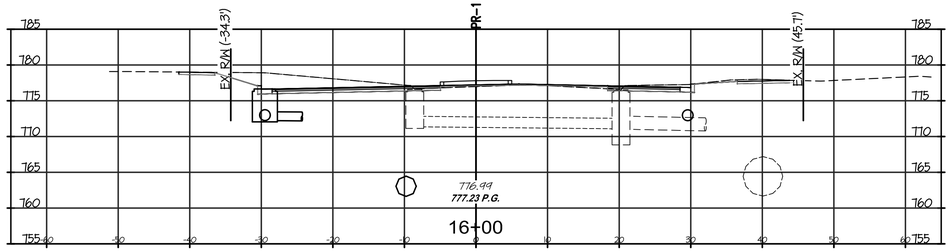
EARTHWORK
17+00

AC = 58.47
AF = 2.40
VC = 109.42
VF = 4.29



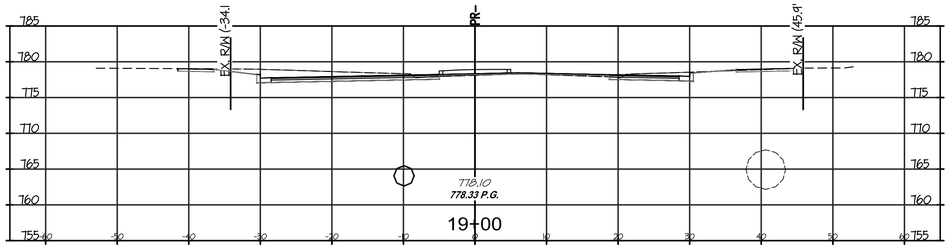
EARTHWORK
16+50

AC = 59.70
AF = 2.23
VC = 114.49
VF = 4.33



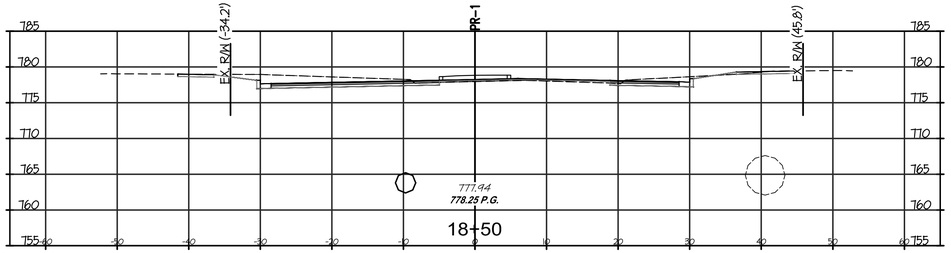
EARTHWORK
16+00

AC = 63.44
AF = 2.45
VC = 25.98
VF = 1.03



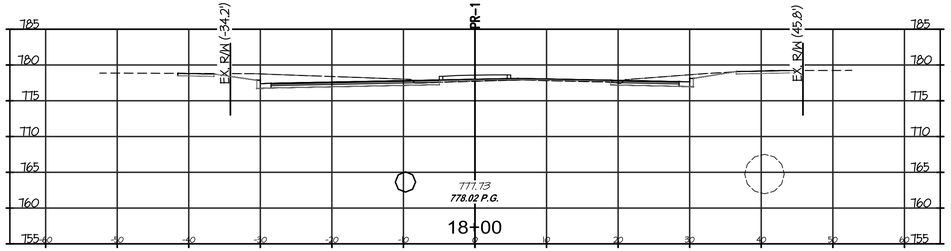
EARTHWORK
19+00

AC = 47.78
AF = 2.40
VC = 90.39
VF = 6.35



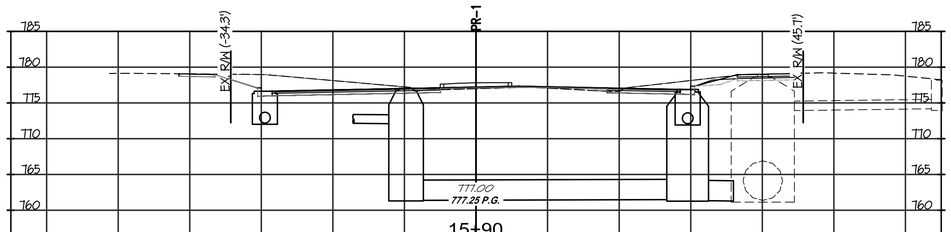
EARTHWORK
18+50

AC = 49.84
AF = 4.46
VC = 96.16
VF = 7.22



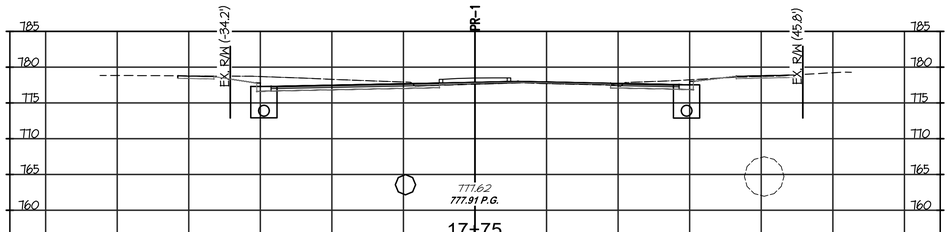
EARTHWORK
18+00

AC = 54.01
AF = 3.34
VC = 48.69
VF = 3.08



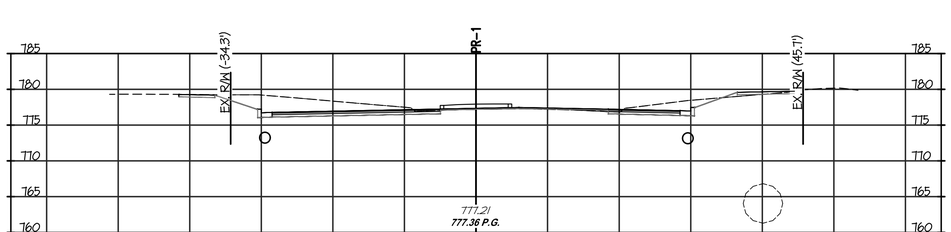
EARTHWORK
15+90

AC = 76.15
AF = 3.09
VC = 109.88
VF = 4.11



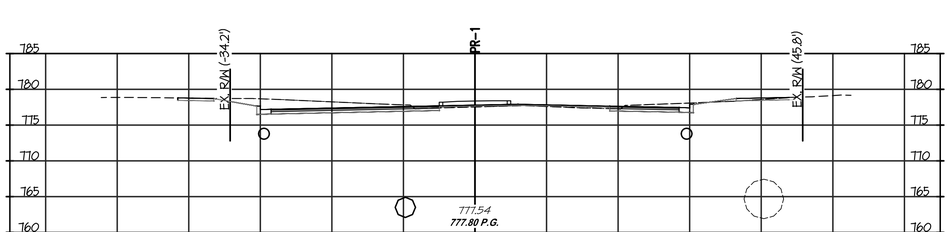
EARTHWORK
17+75

AC = 51.16
AF = 3.33
VC = 47.61
VF = 3.32



EARTHWORK
15+50

AC = 72.25
AF = 2.46
VC = 135.47
VF = 5.16



EARTHWORK
17+50

AC = 51.69
AF = 3.84
VC = 102.00
VF = 5.18

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DESIGN ENGINEER ____ DATE ____

DESIGNED: PDR
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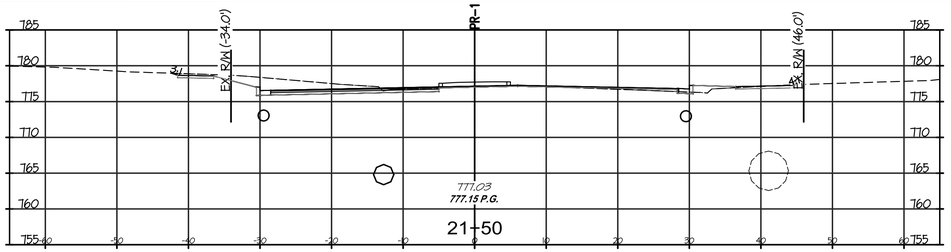
CHECKED: AJO
CHECKED: WWD

CITY OF FORT WAYNE
MAPLECREST ROAD IMPROVEMENTS

CROSS SECTIONS
MAPLECREST ROAD

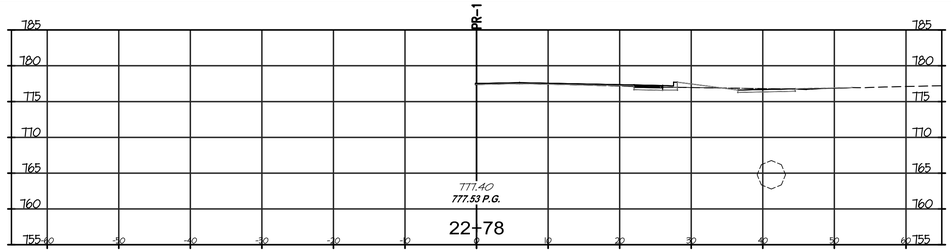
HORIZONTAL SCALE	
1"=10'	
VERTICAL SCALE	
N/A	
DESIGNATION	SHEETS
0500695	71 of 82
CONTRACT	PROJECT NUMBER
R-33886	0500695

S:\2009 Projects\09-192 Fort Wayne - Maplecrest Road\CAD\XS\S01 (1).dwg --- 3/1/2013 9:50 AM --- PaulHoward



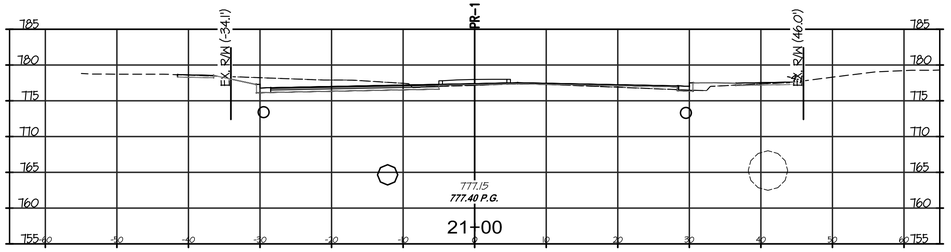
EARTHWORK
21+50

AC = 43.41
AF = 5.42
VC = 71.55
VF = 13.45



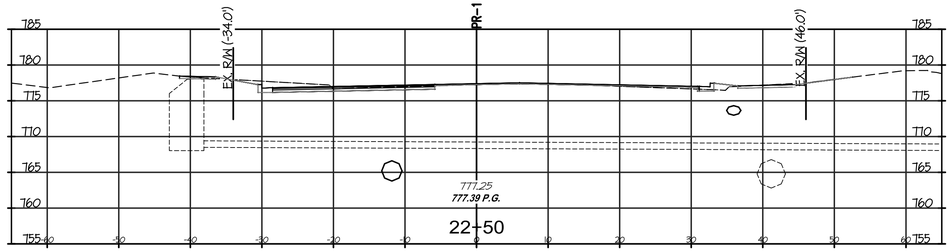
EARTHWORK
22+78

AC = 6.64
AF = 3.23
VC = 16.28
VF = 3.87



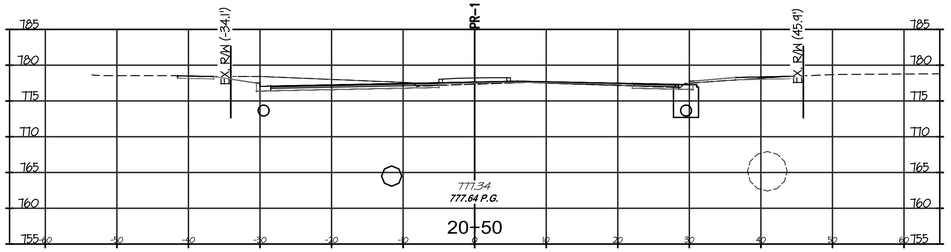
EARTHWORK
21+00

AC = 40.34
AF = 8.61
VC = 74.83
VF = 13.04



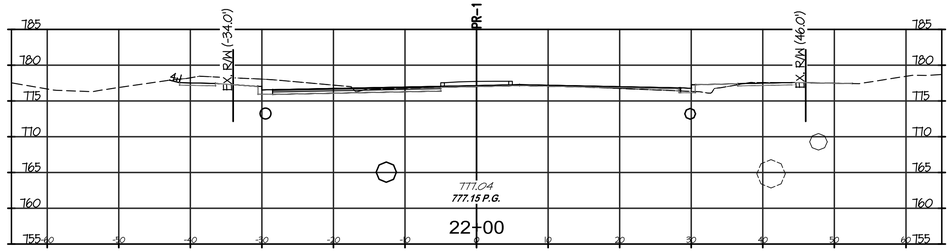
EARTHWORK
22+50

AC = 25.24
AF = 4.36
VC = 56.41
VF = 9.20



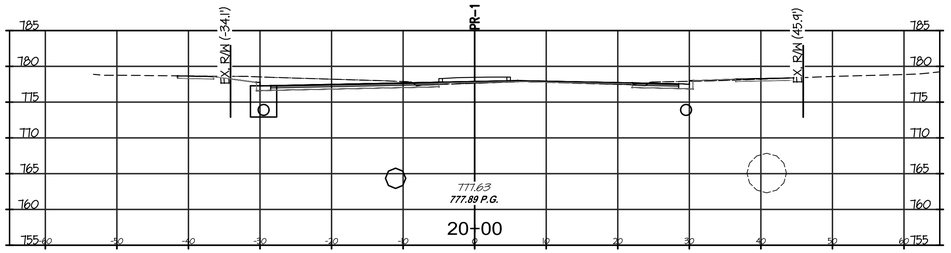
EARTHWORK
20+50

AC = 40.48
AF = 5.48
VC = 78.35
VF = 7.88



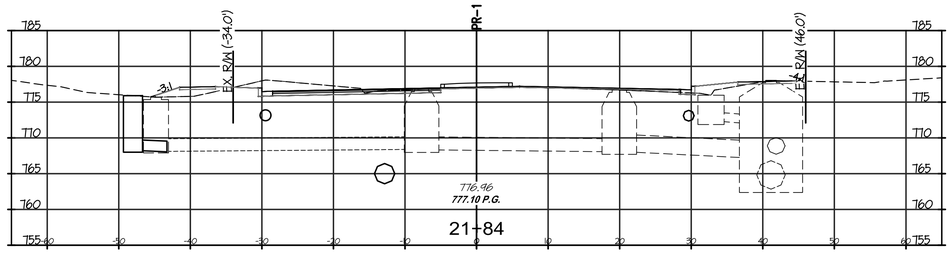
EARTHWORK
22+00

AC = 41.11
AF = 6.35
VC = 20.97
VF = 6.22



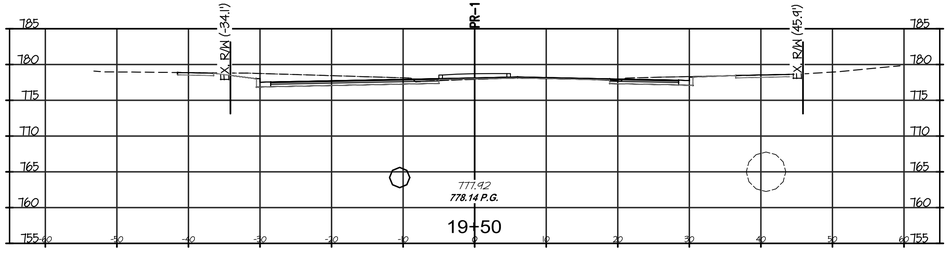
EARTHWORK
20+00

AC = 44.14
AF = 3.04
VC = 86.04
VF = 3.64



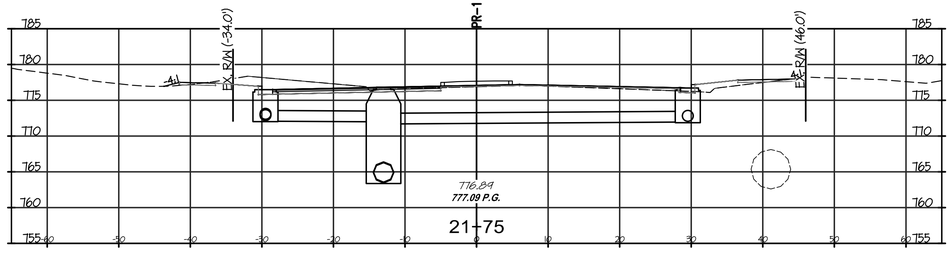
EARTHWORK
21+84

AC = 31.75
AF = 15.25
VC = 11.81
VF = 4.51



EARTHWORK
19+50

AC = 48.78
AF = 0.95
VC = 84.41
VF = 3.10



EARTHWORK
21+75

AC = 35.68
AF = 10.49
VC = 13.08
VF = 2.73

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CHECKED: AJO | CHECKED: WWD

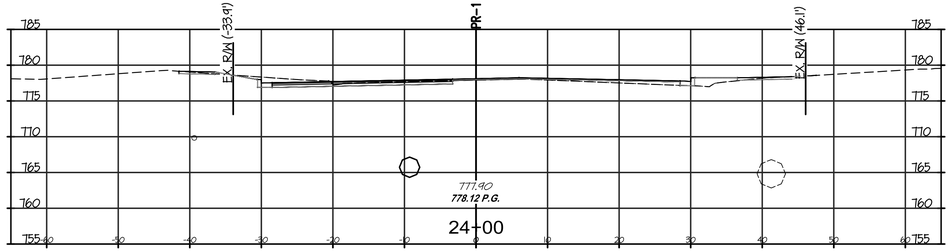
CITY OF FORT WAYNE
MAPLECREST ROAD IMPROVEMENTS

CROSS SECTIONS
MAPLECREST ROAD

HORIZONTAL SCALE	
1"=10'	
VERTICAL SCALE	
N/A	

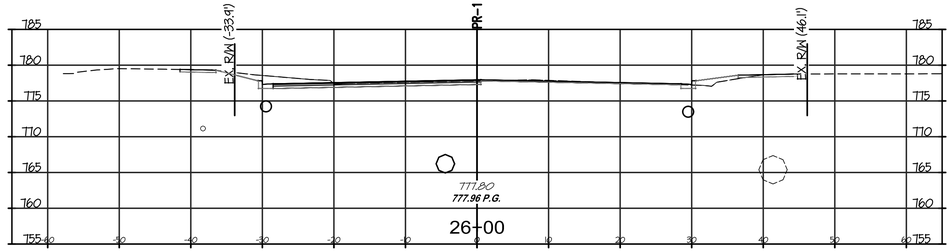
DESIGNATION	SHEETS		
0500695	72	of	82
CONTRACT	PROJECT NUMBER		
R-33886	0500695		

S:\2009 Projects\09-192 Fort Wayne - Maplecrest Road\CADD\XS01 (1).dwg --- 3/1/2013 9:50 AM --- PaulHoward



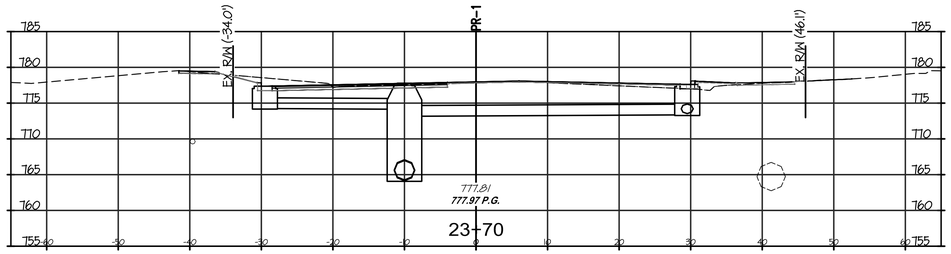
EARTHWORK
24+00

AC = 21.25
AF = 11.78
VC = 26.12
VF = 11.33



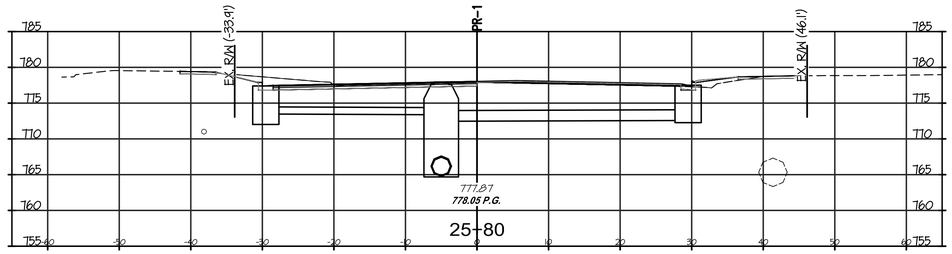
EARTHWORK
26+00

AC = 35.55
AF = 4.07
VC = 24.64
VF = 4.22



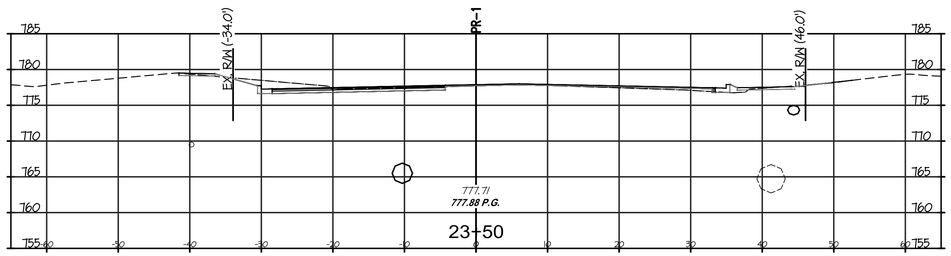
EARTHWORK
23+70

AC = 25.77
AF = 8.61
VC = 19.14
VF = 5.40



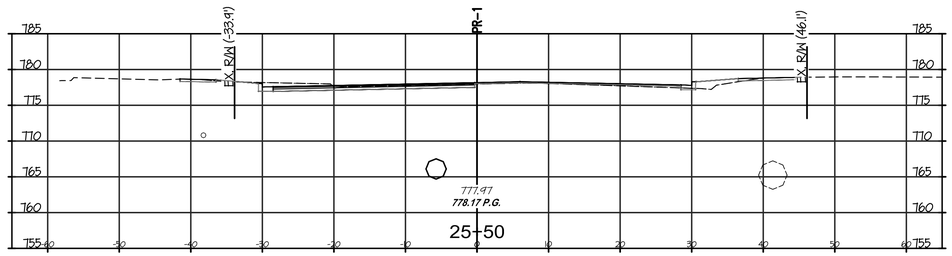
EARTHWORK
25+80

AC = 30.98
AF = 7.31
VC = 30.18
VF = 8.15



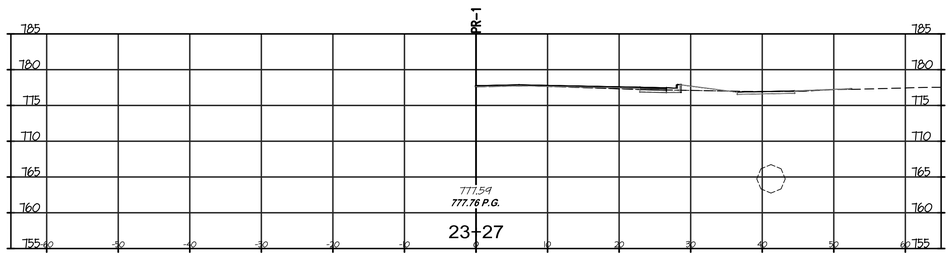
EARTHWORK
23+50

AC = 25.91
AF = 5.97
VC = 12.91
VF = 4.40



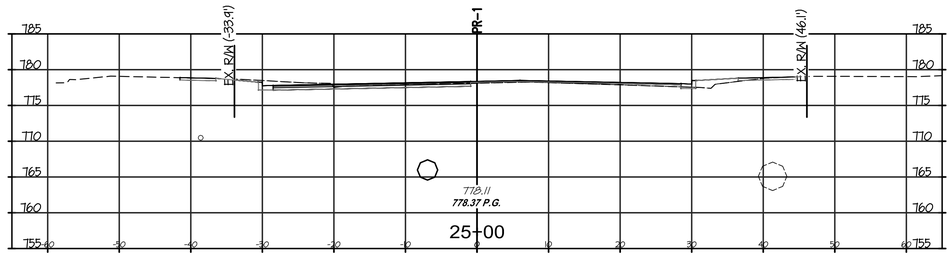
EARTHWORK
25+50

AC = 24.43
AF = 8.44
VC = 43.56
VF = 16.64



EARTHWORK
23+27

AC = 4.44
AF = 4.37
VC = 18.09
VF = 3.82



EARTHWORK
25+00

AC = 22.62
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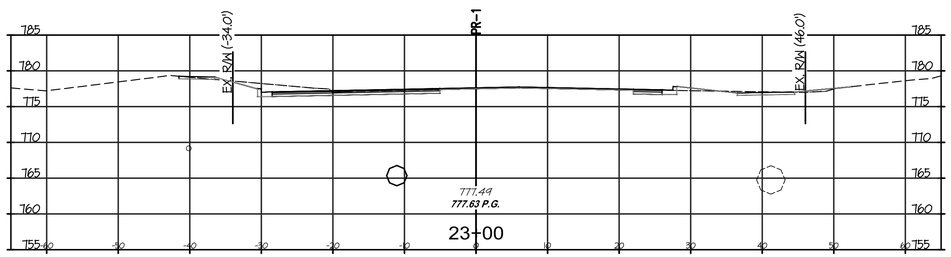
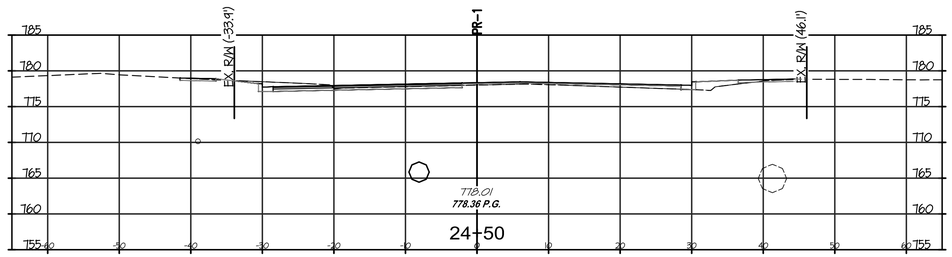
VC = 34.20
VF = 21.86



EARTHWORK
23+00

AC = 31.70
AF = 3.21
VC = 15.93
VF = 2.70



EARTHWORK
24+50

AC = 19.72
AF = 14.07
VC = 37.93
VF = 23.94

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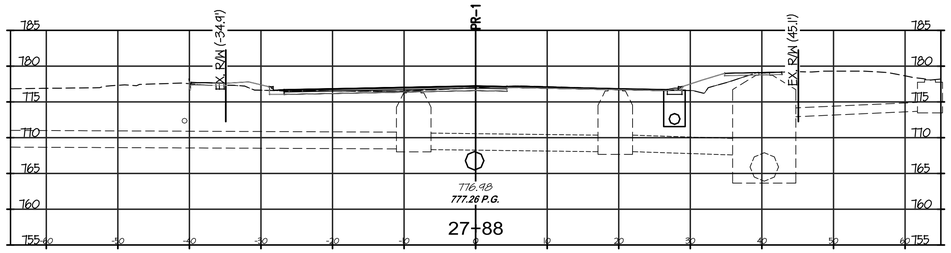
CITY OF FORT WAYNE
MAPLECREST ROAD IMPROVEMENTS

CROSS SECTIONS
MAPLECREST ROAD

HORIZONTAL SCALE	
1"=10'	
VERTICAL SCALE	
N/A	

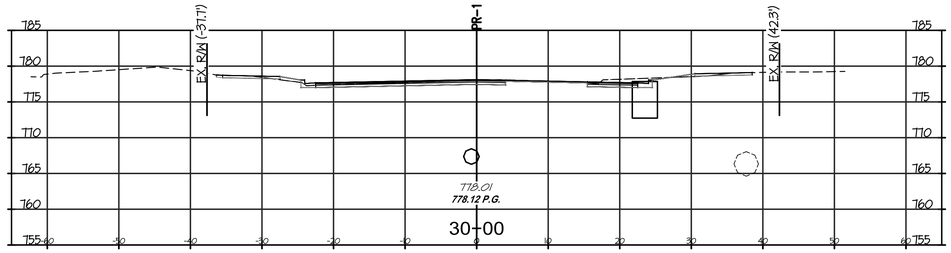
DESIGNATION		SHEETS	
0500695	73	of	82
CONTRACT		PROJECT NUMBER	
R-33886		0500695	

S:\2009 Projects\09-192 Fort Wayne - Maplecrest Road\CADD\XS02.dwg --- 2/28/2013 3:46 PM --- PaulHoward



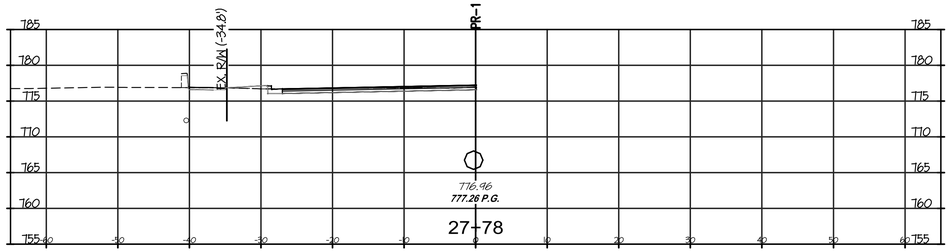
EARTHWORK
27+88

AC = 15.82
AF = 13.06
VC = 6.13
VF = 3.04



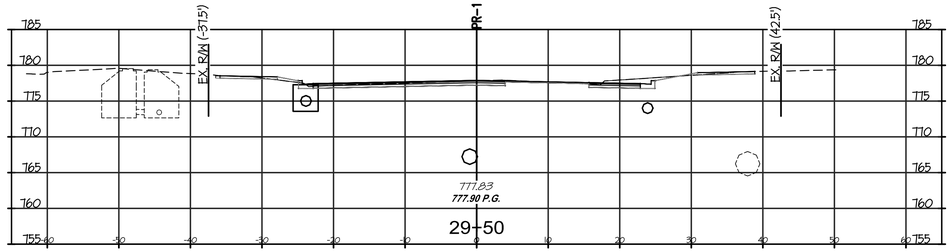
EARTHWORK
30+00

AC = 21.99
AF = 1.99
VC = 53.27
VF = 3.17



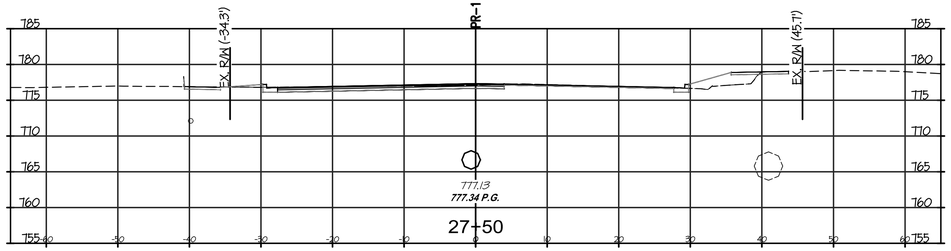
EARTHWORK
27+78

AC = 16.36
AF = 2.91
VC = 22.02
VF = 8.06



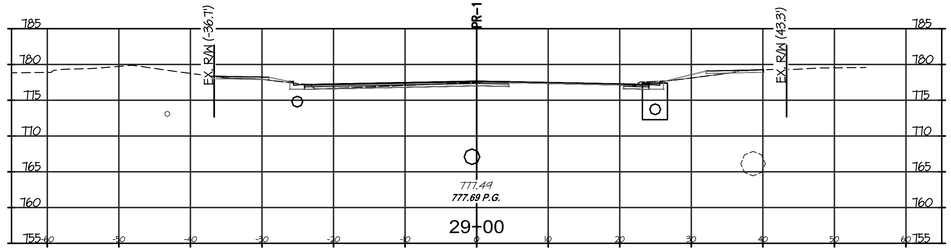
EARTHWORK
29+50

AC = 24.55
AF = 1.44
VC = 44.84
VF = 4.63



EARTHWORK
27+50

AC = 26.57
AF = 12.81
VC = 52.92
VF = 17.61



EARTHWORK
29+00

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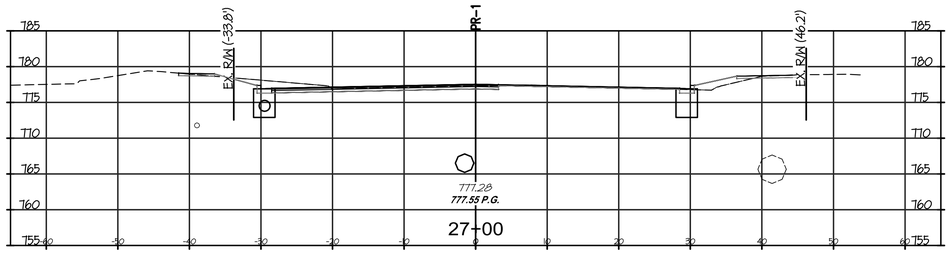
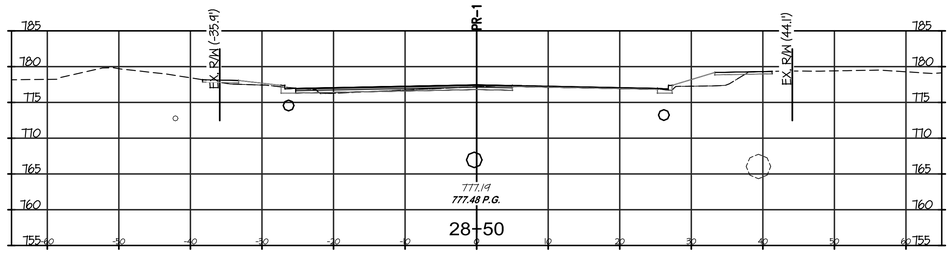
AF = 3.57
VC = 29.78
VF = 15.71



EARTHWORK
27+00

AC = 30.59
AF = 6.21
VC = 61.22
VF = 9.79



EARTHWORK
28+50

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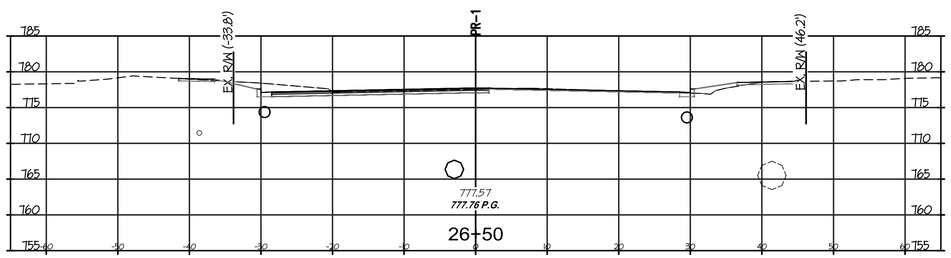
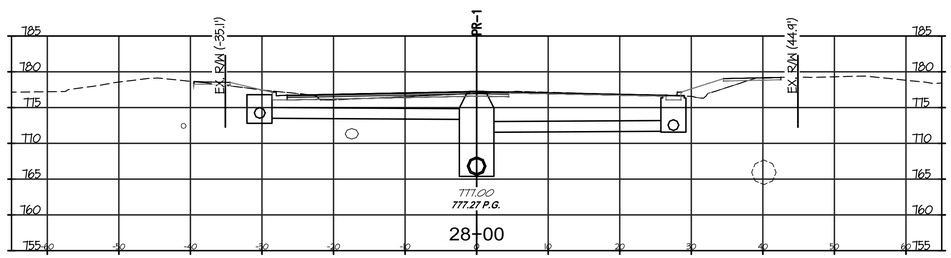
AF = 13.41
VC = 28.58
VF = 22.95



EARTHWORK
26+50

AC = 35.52
AF = 4.37
VC = 65.81
VF = 7.81



EARTHWORK
28+00

AC = 17.58
AF = 11.38
VC = 7.44
VF = 5.44

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DESIGN ENGINEER ____ DATE ____

DESIGNED: PDR
DRAWN: PDR
CHECKED: AJO
CHECKED: WWD

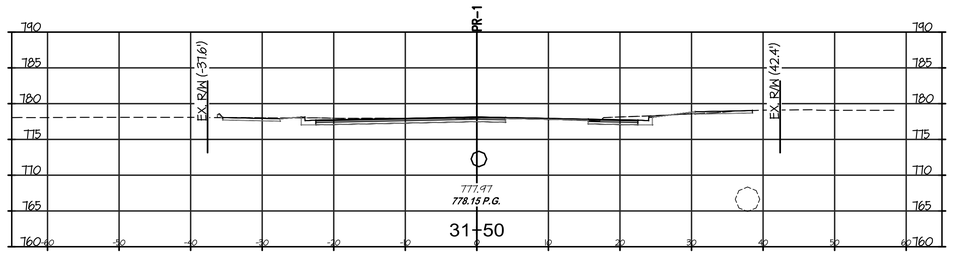
CITY OF FORT WAYNE
MAPLECREST ROAD IMPROVEMENTS

CROSS SECTIONS
MAPLECREST ROAD

HORIZONTAL SCALE	
1"=10'	
VERTICAL SCALE	
N/A	

DESIGNATION	SHEETS
0500695	74 of 82
CONTRACT	PROJECT NUMBER
R-33886	0500695

S:\2009 Projects\09-192 Fort Wayne - Maplecrest Road\CADD\XS02.dwg ---- 2/28/2013 3:46 PM ---- PaulHoward



EARTHWORK
31+50

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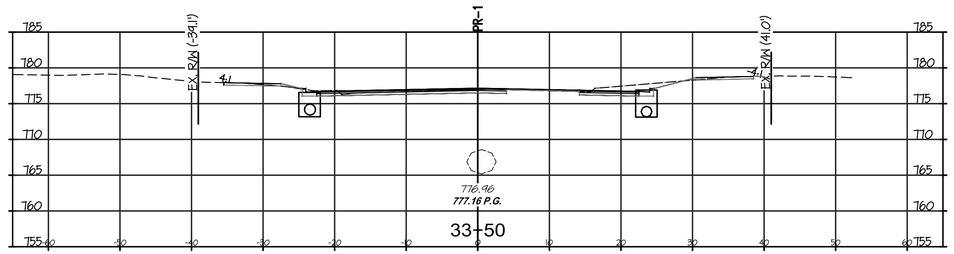
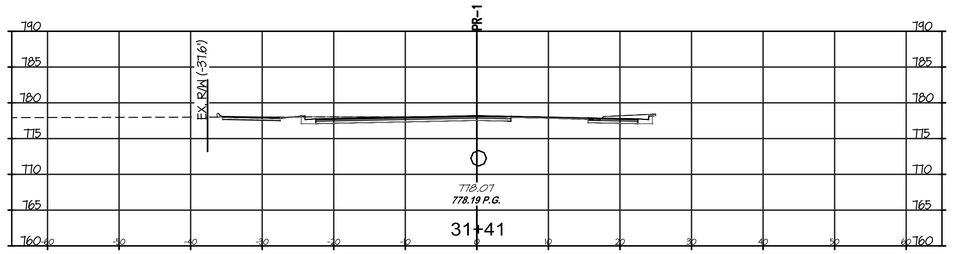
AF = 0.94
VC = 10.83
VF = 0.24



EARTHWORK
33+50

AC = 31.42
AF = 1.08
VC = 15.78
VF = 1.42



EARTHWORK
31+41

AC = 32.53
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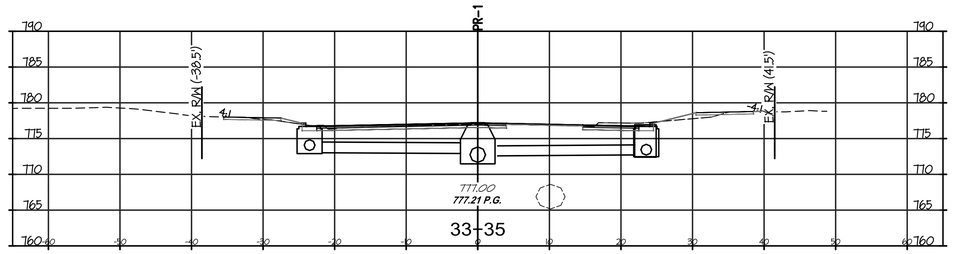
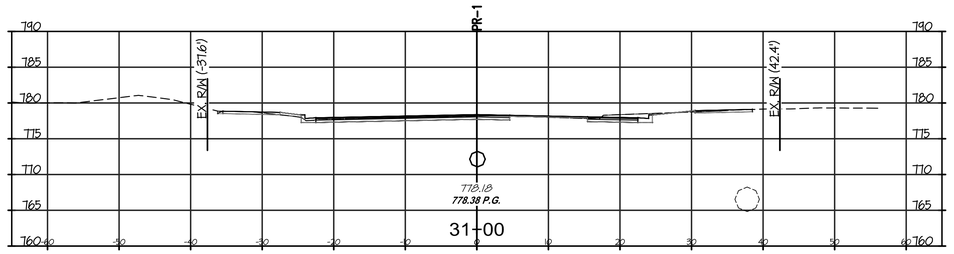
VC = 44.93
VF = 1.69



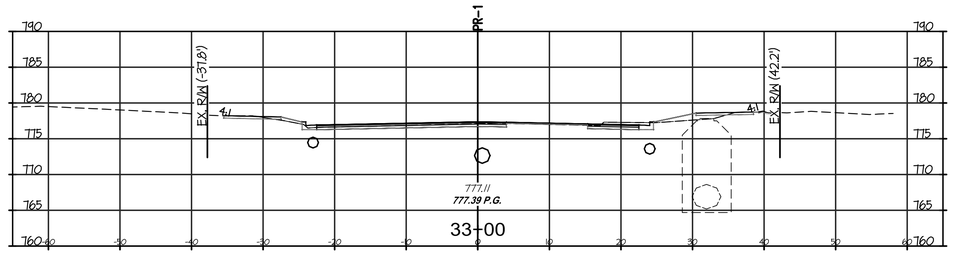
EARTHWORK
33+35

AC = 25.34
AF = 4.04
VC = 30.50
VF = 6.83



EARTHWORK
31+00

AC = 26.36
AF = 1.68
VC = 23.66
VF = 1.12



EARTHWORK
33+00

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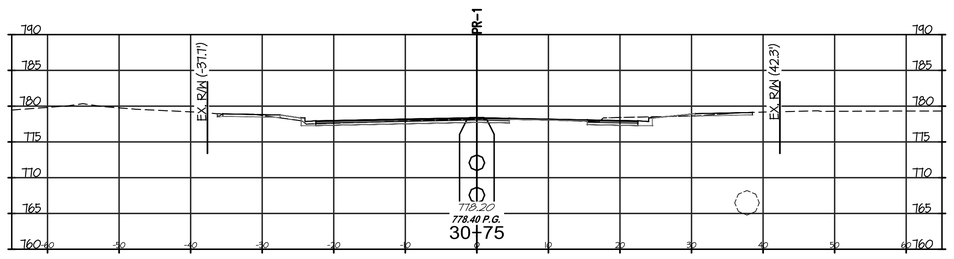
VC = 44.55
VF = 7.33



EARTHWORK
30+75

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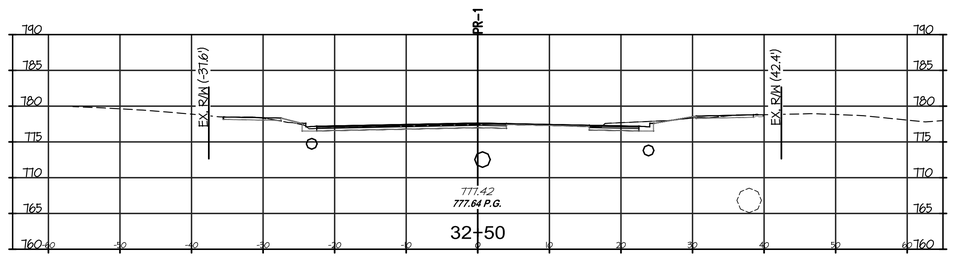
VC = 22.92
VF = 1.84



EARTHWORK
32+50

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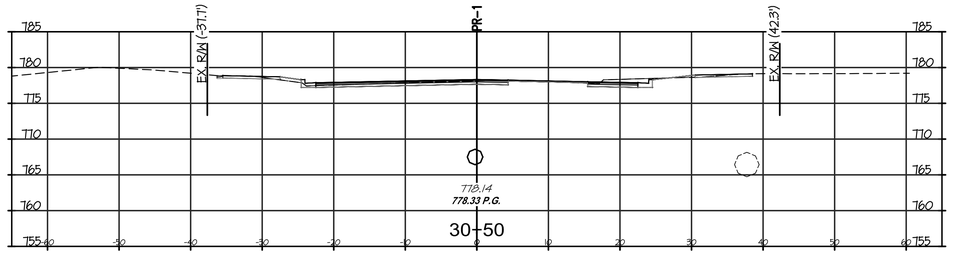
VF = 3.21



EARTHWORK
30+50

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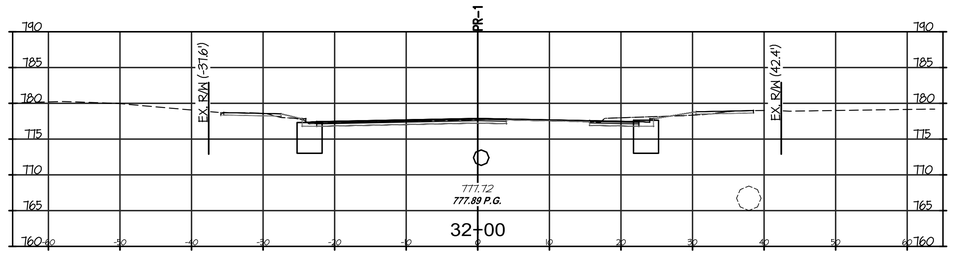
VC = 48.85
VF = 3.64



EARTHWORK
32+00

AC = 27.19
AF = 2.04
VC = 56.60
VF = 2.16

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DESIGNED: PDR
DRAWN: PDR
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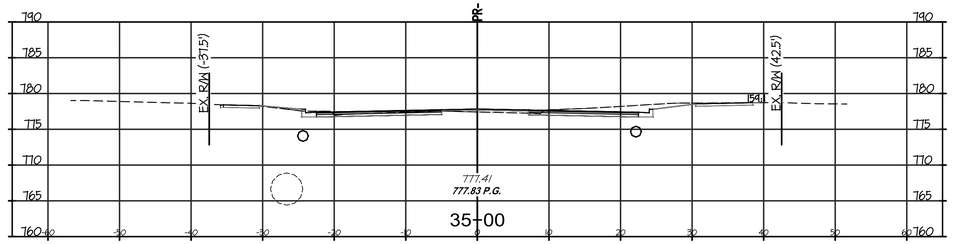
CITY OF FORT WAYNE
MAPLECREST ROAD IMPROVEMENTS

CROSS SECTIONS
MAPLECREST ROAD

HORIZONTAL SCALE	
1"=10'	
VERTICAL SCALE	
N/A	
DESIGNATION	SHEETS
0500695	T5 of 82
CONTRACT	PROJECT NUMBER
R-33886	0500695

S:\2009 Projects\09-192 Fort Wayne - Maplecrest Road\CADD\XS02.dwg --- 2/28/2013 3:46 PM --- PaulHoward



EARTHWORK
35+00
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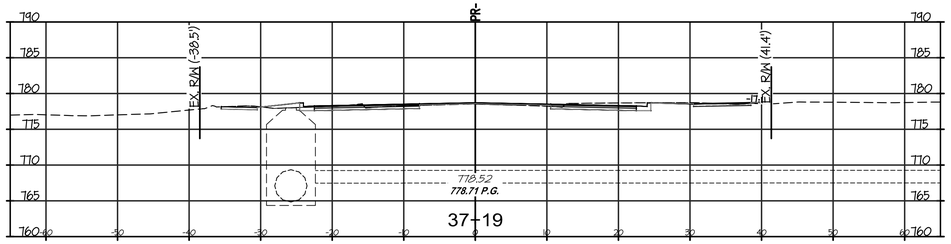
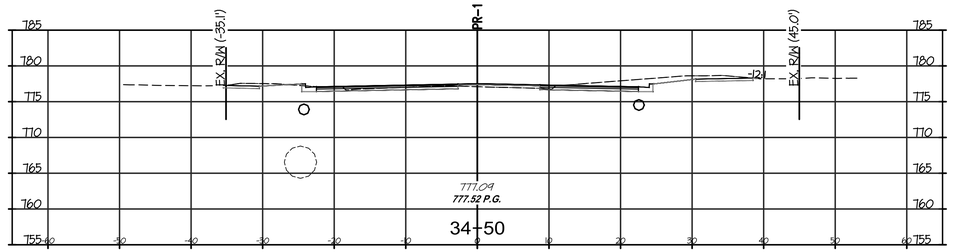
VF = 6.90



EARTHWORK
37+19
AC = 25.57
AF = 3.46
VC = 18.52
VF = 2.36



EARTHWORK
34+50
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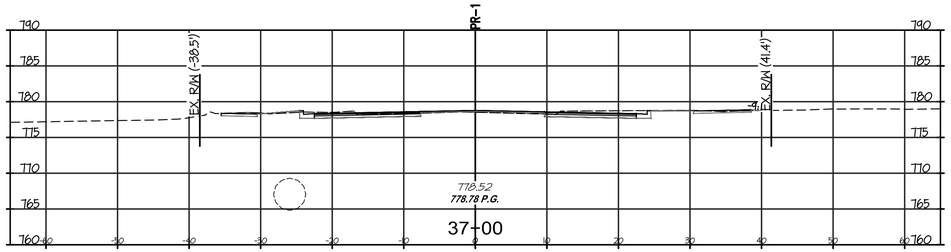
VC = 41.66
VF = 4.17



EARTHWORK
37+00
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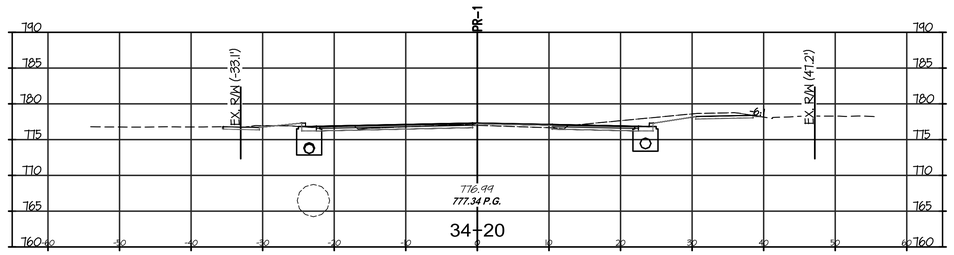
AF = 2.90
VC = 51.95
VF = 7.25



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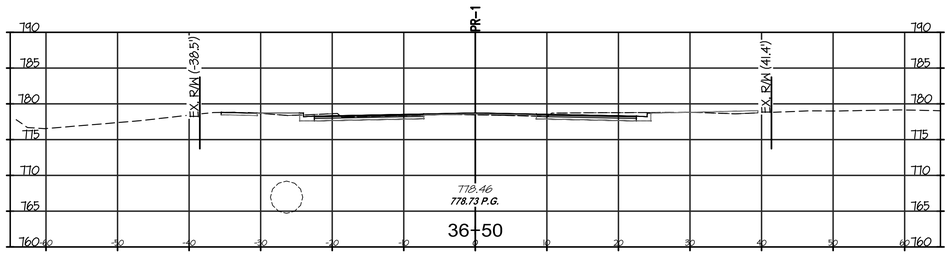
VF = 2.70



EARTHWORK
36+50
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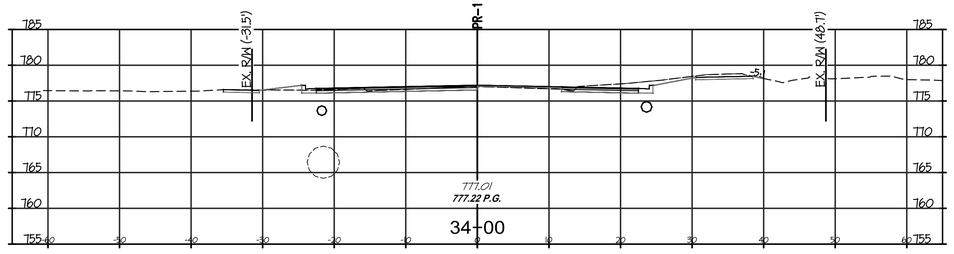
AF = 4.93
VC = 58.23
VF = 6.26



EARTHWORK
34+00
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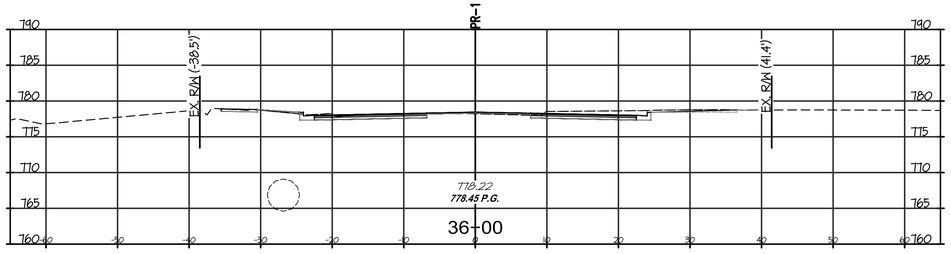
VC = 19.60
VF = 4.80



EARTHWORK
36+00
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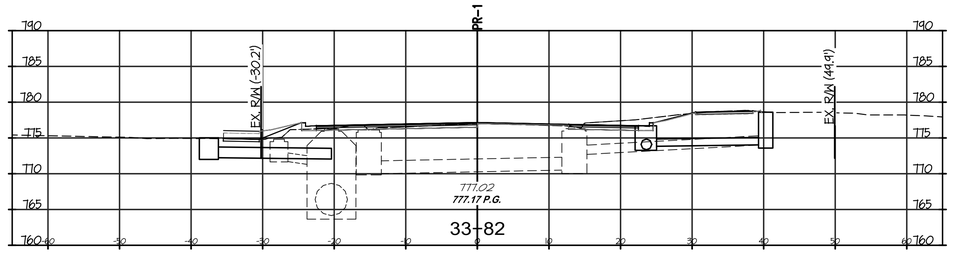
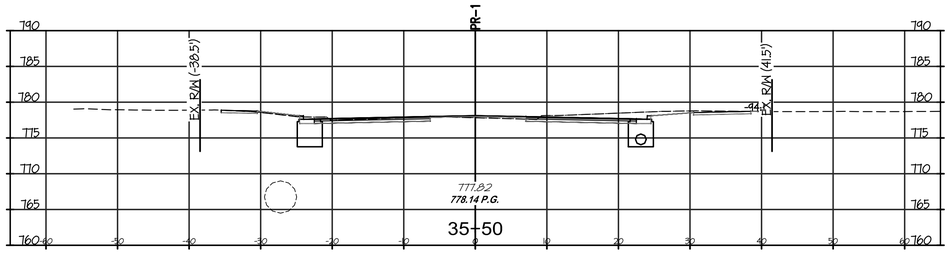
AF = 1.83
VC = 66.45
VF = 4.29



EARTHWORK
33+82
AC = 26.83
AF = 10.89
VC = 34.52
VF = 7.09



EARTHWORK
35+50
AC = 37.38
AF = 2.80
VC = 68.09
VF = 6.05

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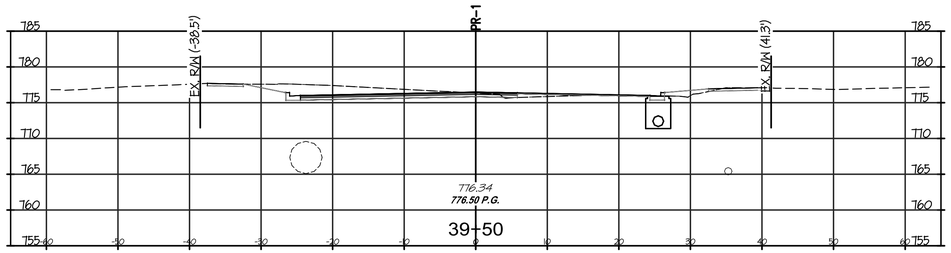
CITY OF FORT WAYNE
MAPLECREST ROAD IMPROVEMENTS

CROSS SECTIONS
MAPLECREST ROAD

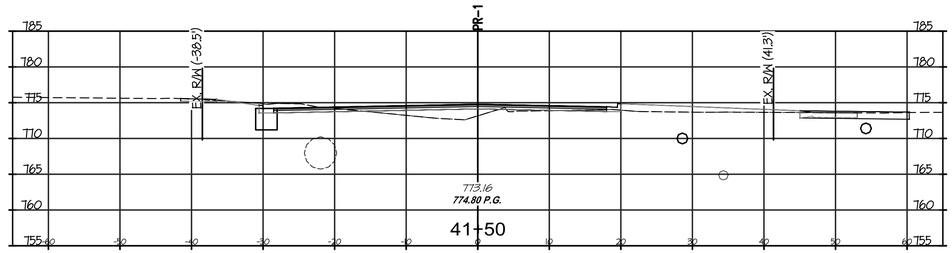
HORIZONTAL SCALE	
1"=10'	
VERTICAL SCALE	
N/A	
DESIGNATION	SHEETS
0500695	76 of 82
CONTRACT	PROJECT NUMBER
R-33886	0500695

S:\2009 Projects\09-192 Fort Wayne - Maplecrest Road\CADD\XS03.dwg --- 2/28/2013 5:56 PM --- PaulHoward



EARTHWORK
39+50

AC = 44.88
AF = 6.57
VC = 78.00
VF = 11.37



EARTHWORK
41+50

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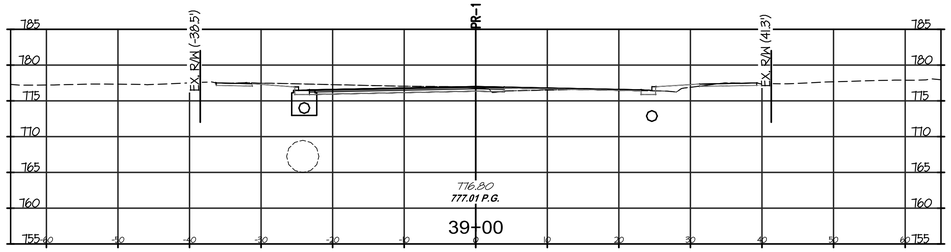
VC = 42.13
VF = 35.31



EARTHWORK
39+00

AC = 34.36
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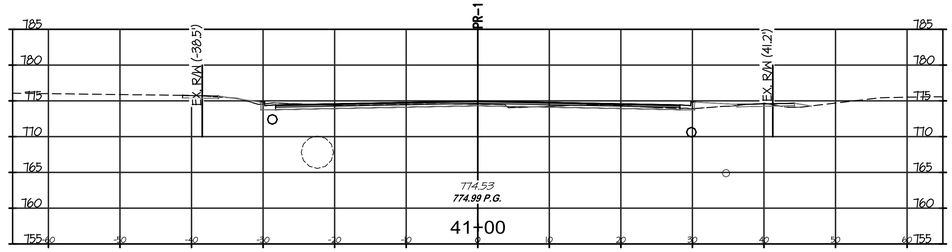
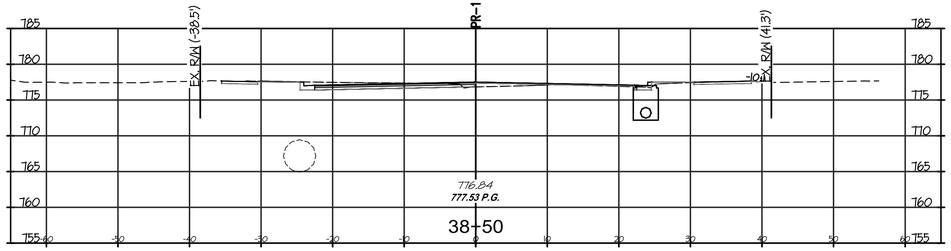
VC = 53.99
VF = 9.99



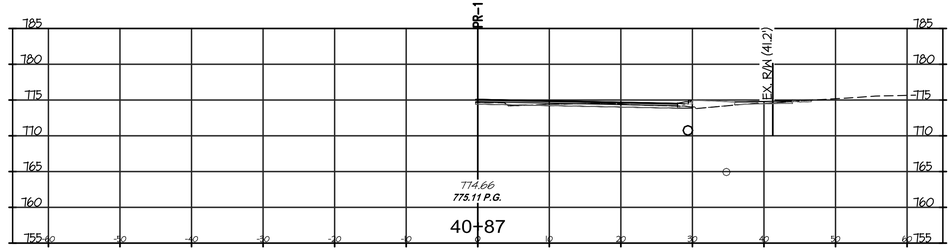
EARTHWORK
41+00

AC = 25.08
AF = 5.27
VC = 8.13
VF = 2.66



EARTHWORK
38+50

AC = 23.96
AF = 5.08
VC = 46.24
VF = 10.18



EARTHWORK
40+87

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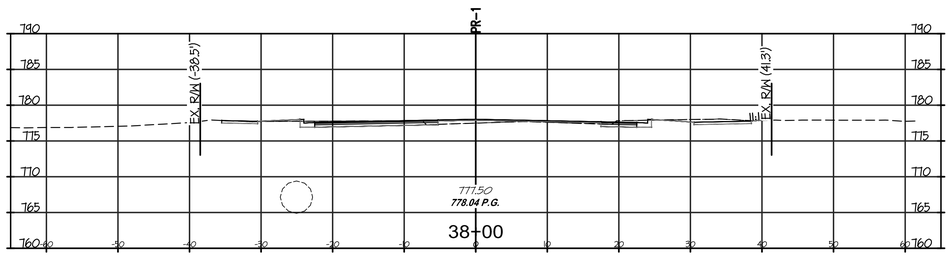
VC = 38.98
VF = 5.50



EARTHWORK
38+00

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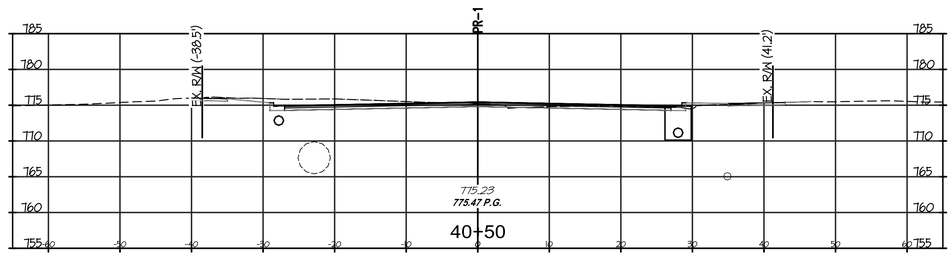
VC = 46.14
VF = 9.50



EARTHWORK
40+50

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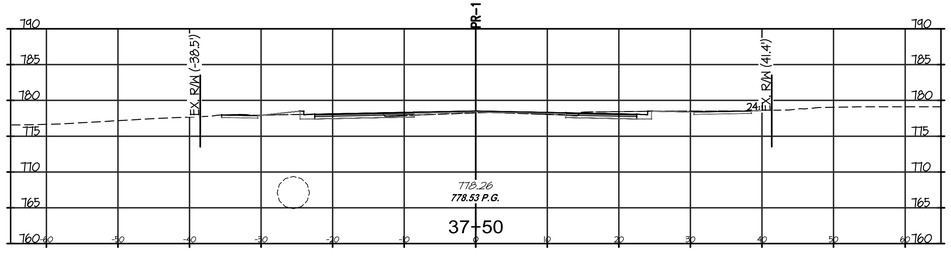
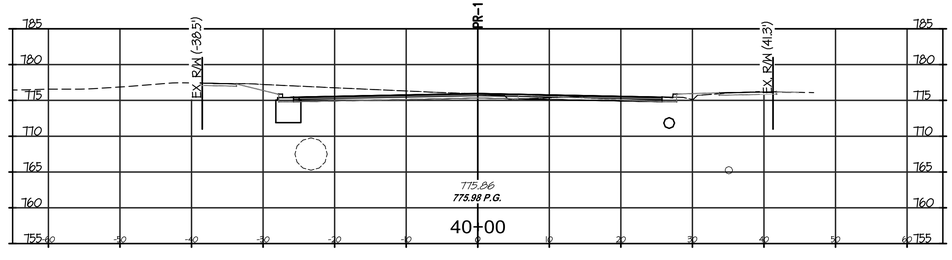
VC = 98.72
VF = 6.12



EARTHWORK
37+50

AC = 23.84
AF = 4.34
VC = 28.72
VF = 4.83



EARTHWORK
40+00

AC = 57.80
AF = 4.20
VC = 99.71
VF = 9.97

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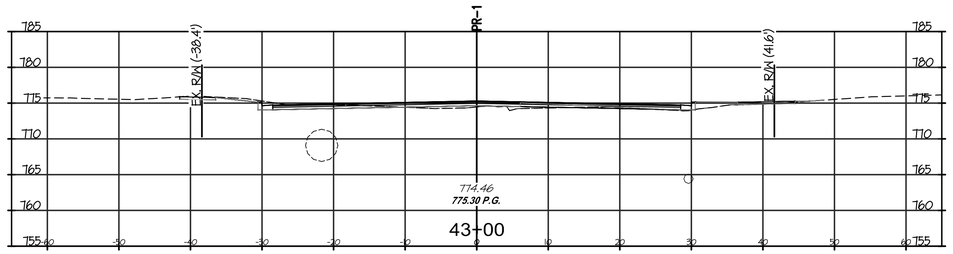
CITY OF FORT WAYNE
MAPLECREST ROAD IMPROVEMENTS

CROSS SECTIONS
MAPLECREST ROAD

HORIZONTAL SCALE	
1"=10'	
VERTICAL SCALE	
N/A	
DESIGNATION	SHEETS
0500695	T1 of 82
CONTRACT	PROJECT NUMBER
R-33886	0500695

S:\2009 Projects\09-192 Fort Wayne - Maplecrest Road\CADD\XS03.dwg ---- 2/28/2013 5:56 PM ---- PaulHoward



EARTHWORK
43+00

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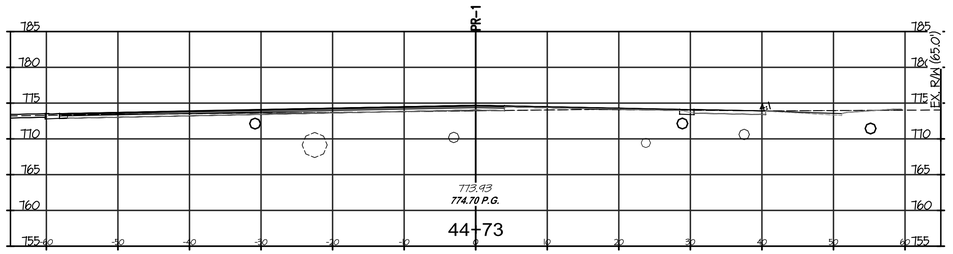
AF = 13.10
VC = 3.65
VF = 5.03



EARTHWORK
44+73

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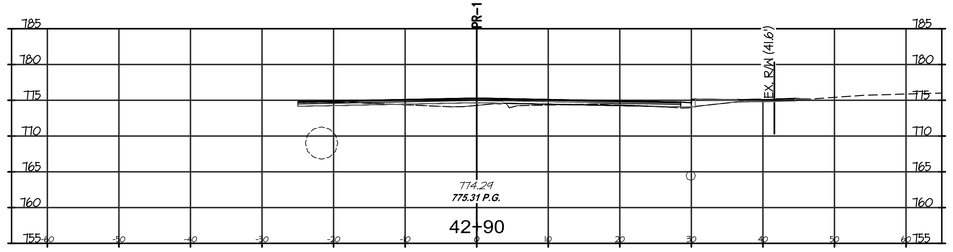
VC = 23.80
VF = 9.74



EARTHWORK
42+90

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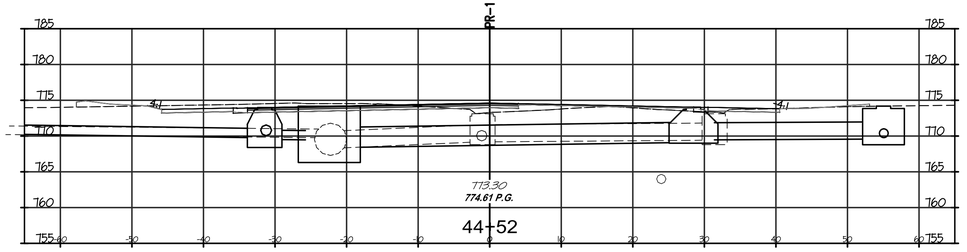
AF = 14.23
VC = 16.66
VF = 16.43



EARTHWORK
44+52

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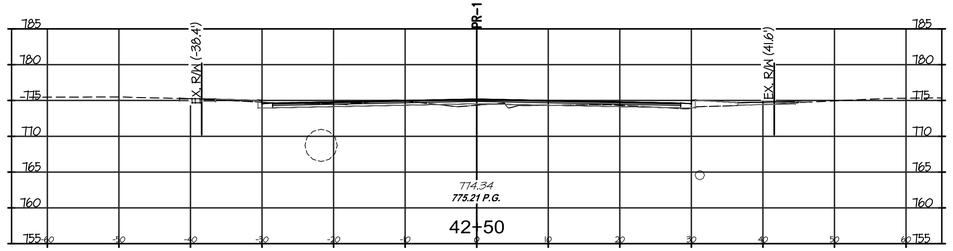
VC = 3.11
VF = 1.20



EARTHWORK
42+50

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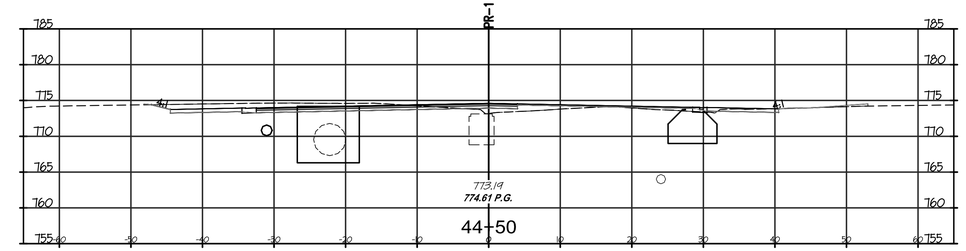
AF = 7.91
VC = 27.45
VF = 14.45



EARTHWORK
44+50

AC = 43.73
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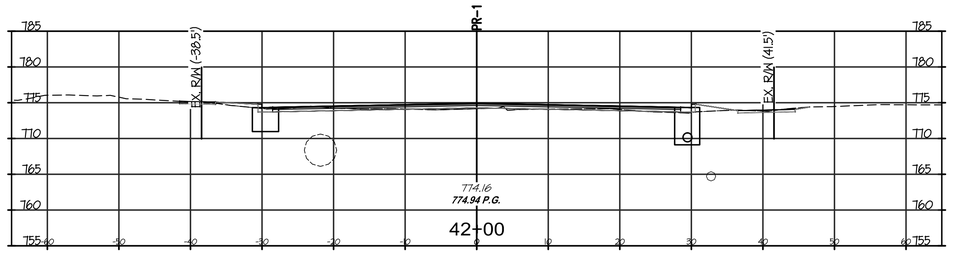
VC = 105.58
VF = 22.36



EARTHWORK
42+00

AC = 13.16
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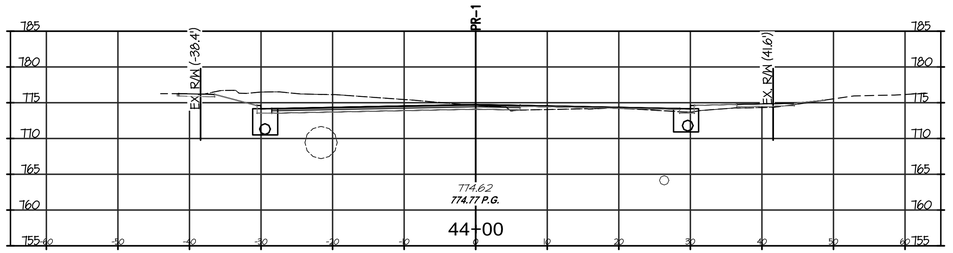
VF = 30.21



EARTHWORK
44+00

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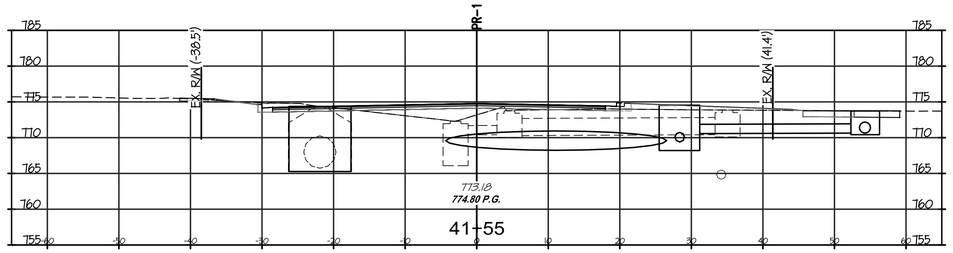
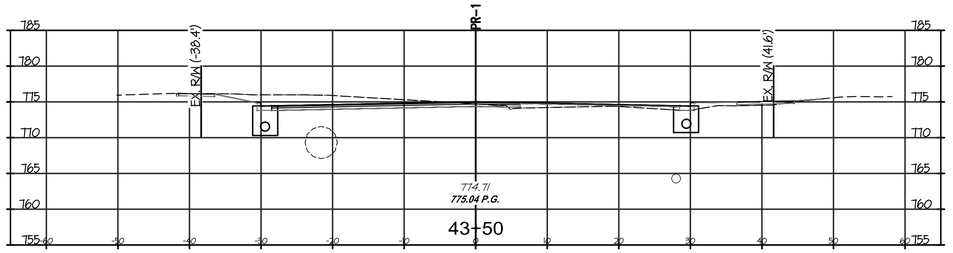
VC = 112.86
VF = 21.74



EARTHWORK
41+55

AC = 21.13
AF = 28.44
VC = 3.78
VF = 5.54



EARTHWORK
43+50

AC = 51.59
AF = 13.13
VC = 61.09
VF = 24.29

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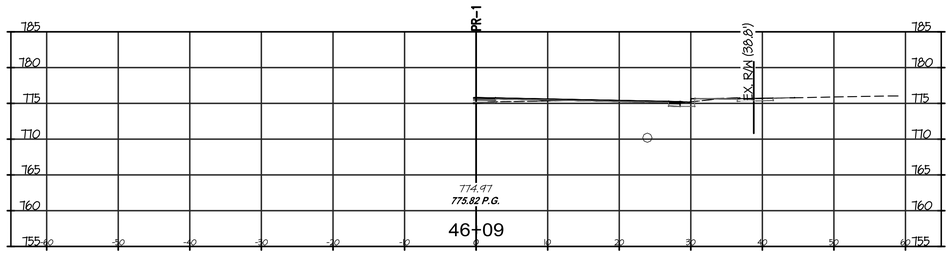
CITY OF FORT WAYNE
MAPLECREST ROAD IMPROVEMENTS

CROSS SECTIONS
MAPLECREST ROAD

HORIZONTAL SCALE	
1"=10'	
VERTICAL SCALE	
N/A	

DESIGNATION	SHEETS
0500695	78 of 82
CONTRACT	PROJECT NUMBER
R-33886	0500695

S:\2009 Projects\09-192 Fort Wayne - Maplecrest Road\CAD\XS03.dwg --- 2/28/2013 5:56 PM --- PaulHoward



EARTHWORK
46+09

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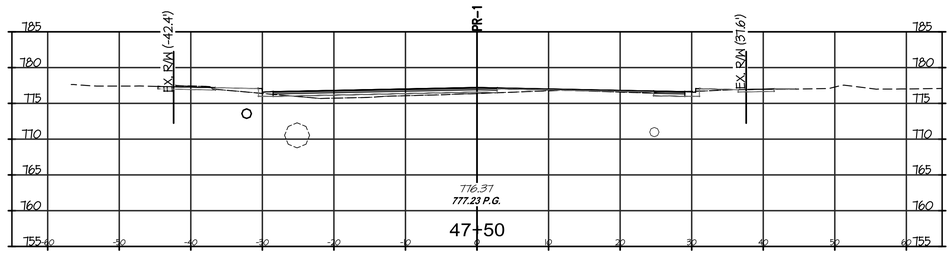
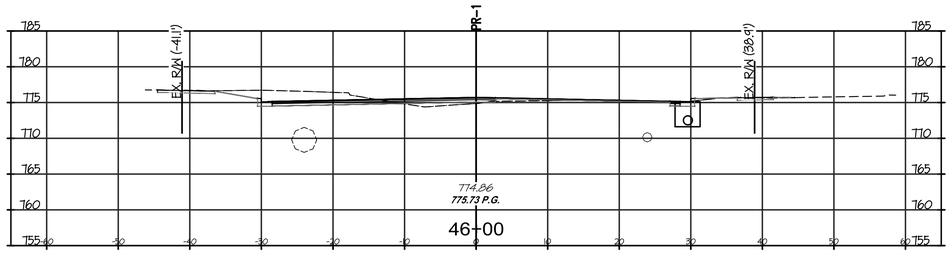
AF = 3.47
VC = 7.49
VF = 1.65



EARTHWORK
47+50

AC = 10.12
AF = 15.67
VC = 22.90
VF = 11.98



EARTHWORK
46+00

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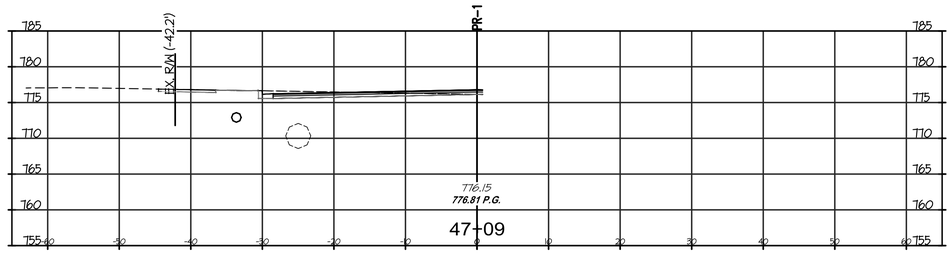
VC = 73.89
VF = 13.80



EARTHWORK
47+09

AC = 20.02
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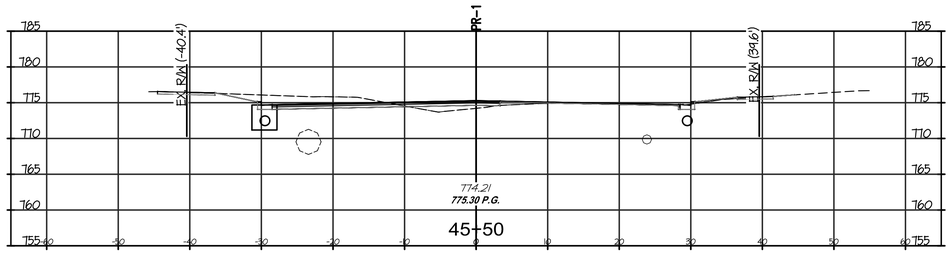
VC = 6.73
VF = 0.73



EARTHWORK
45+50

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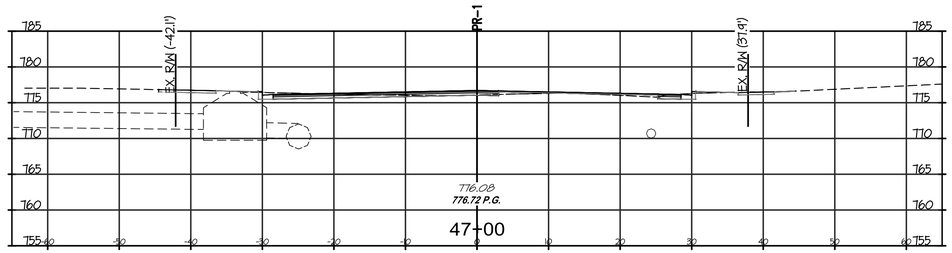
VF = 19.99



EARTHWORK
47+00

AC = 20.56
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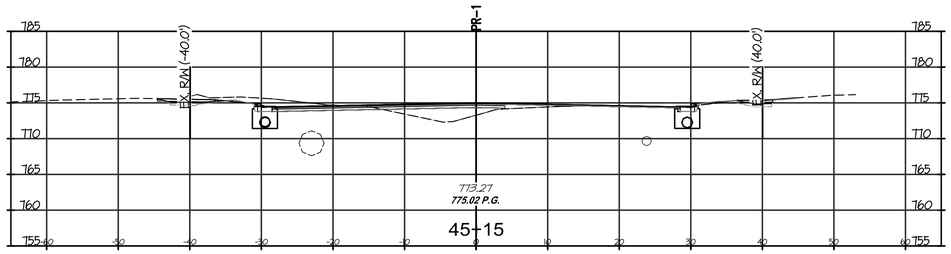
VC = 35.21
VF = 5.71



EARTHWORK
45+15

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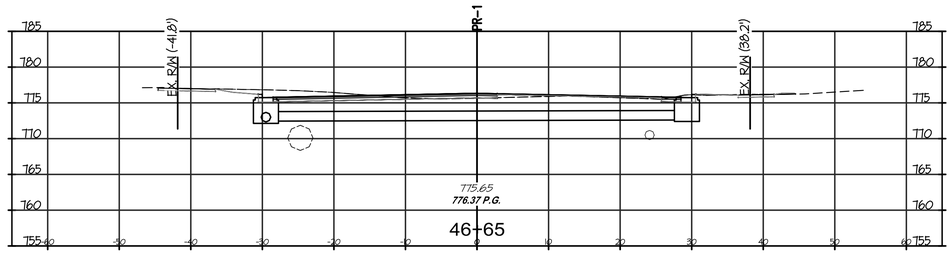
AF = 22.39
VC = 20.82
VF = 8.61



EARTHWORK
46+65

AC = 34.02
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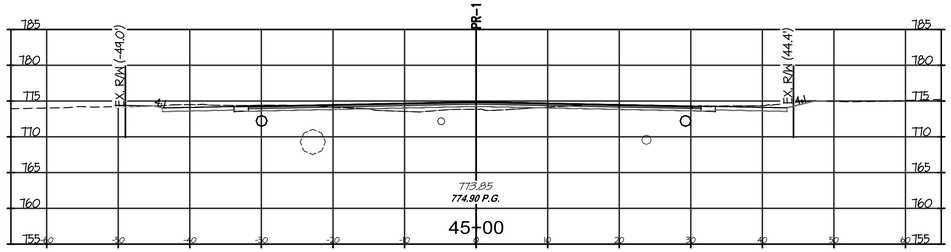
VC = 19.49
VF = 2.40



EARTHWORK
45+00

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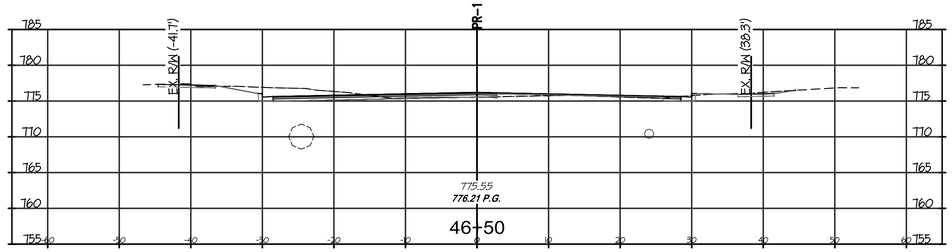
VC = 28.93
VF = 7.01



EARTHWORK
46+50

AC = 35.40
AF = 3.97
VC = 30.04
VF = 5.66

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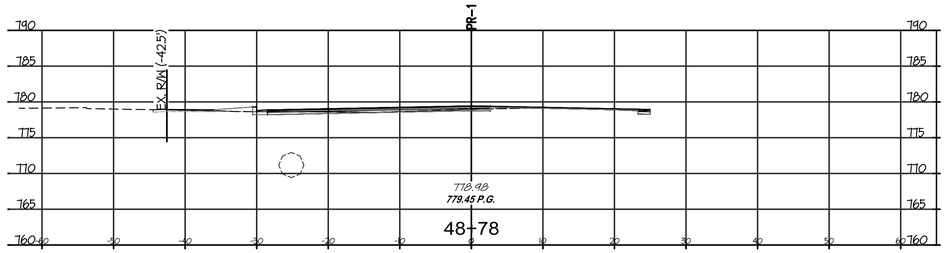
CITY OF FORT WAYNE
MAPLECREST ROAD IMPROVEMENTS

CROSS SECTIONS
MAPLECREST ROAD

HORIZONTAL SCALE	
1"=10'	
VERTICAL SCALE	
N/A	

DESIGNATION	SHEETS
0500695	79 of 82
CONTRACT	PROJECT NUMBER
R-33886	0500695

S:\2009 Projects\09-192 Fort Wayne - Maplecrest Road\CADXS\03.dwg --- 2/28/2013 5:56 PM --- PaulHoward



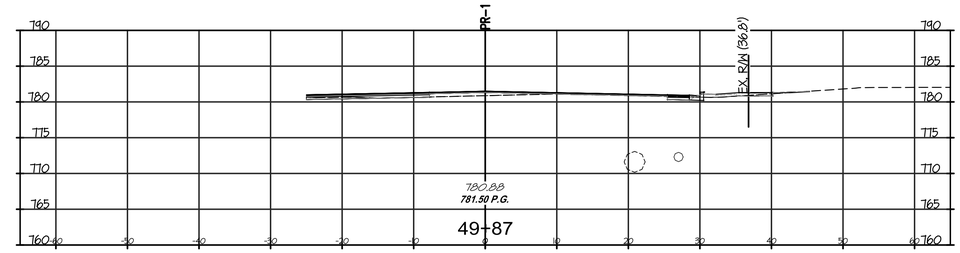
EARTHWORK
48+78
AC = 9.60
AF = 3.20
VC = 11.71
VF = 6.64

EARTHWORK
48+50
AC = 13.02
AF = 9.56
VC = 13.51
VF = 13.66

EARTHWORK
48+20
AC = 11.40
AF = 15.03
VC = 8.54
VF = 11.84

EARTHWORK
48+00
AC = 11.65
AF = 16.92
VC = 6.91
VF = 9.86

EARTHWORK
47+83
AC = 10.20
AF = 14.24
VC = 12.38
VF = 18.23



EARTHWORK
49+87
AC = 4.52
AF = 8.71
VC = 5.07
VF = 21.88

EARTHWORK
49+57
AC = 4.51
AF = 30.44
VC = 1.23
VF = 6.66

EARTHWORK
49+50
AC = 4.88
AF = 20.45
VC = 4.74
VF = 20.00

EARTHWORK
49+25
AC = 5.35
AF = 22.24
VC = 5.41
VF = 24.23

EARTHWORK
49+00
AC = 6.33
AF = 30.09
VC = 6.46
VF = 13.51

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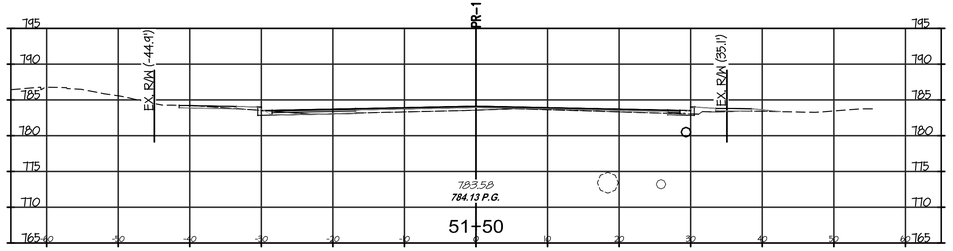
CITY OF FORT WAYNE
MAPLECREST ROAD IMPROVEMENTS

CROSS SECTIONS
MAPLECREST ROAD

HORIZONTAL SCALE	
1"=10'	
VERTICAL SCALE	
N/A	

DESIGNATION	SHEETS
0500695	80 of 82
CONTRACT	PROJECT NUMBER
R-33886	0500695

S:\2009 Projects\09-192 Fort Wayne - Maplecrest Road\CADXS\03.dwg ---- 2/28/2013 5:56 PM ---- PaulHoward



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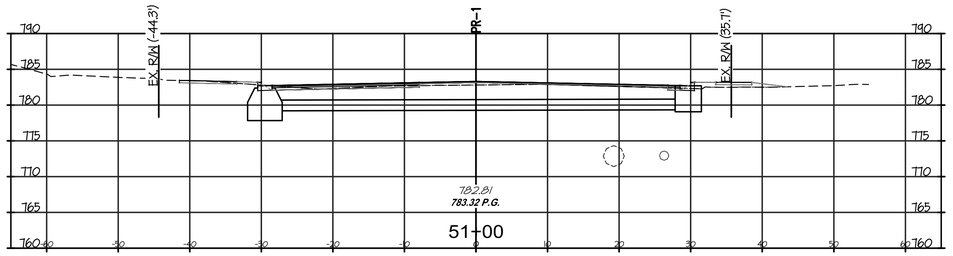

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51+00

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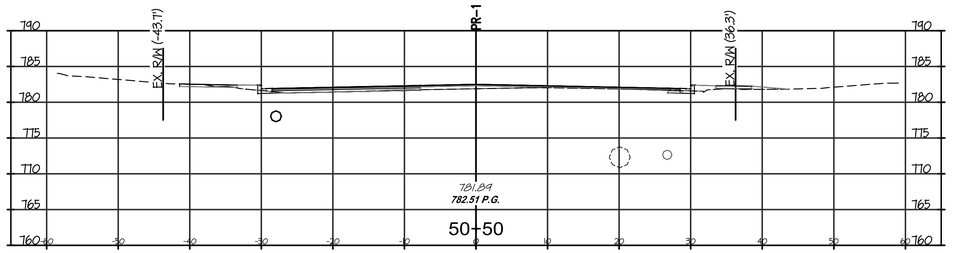

EARTHWORK
50+50

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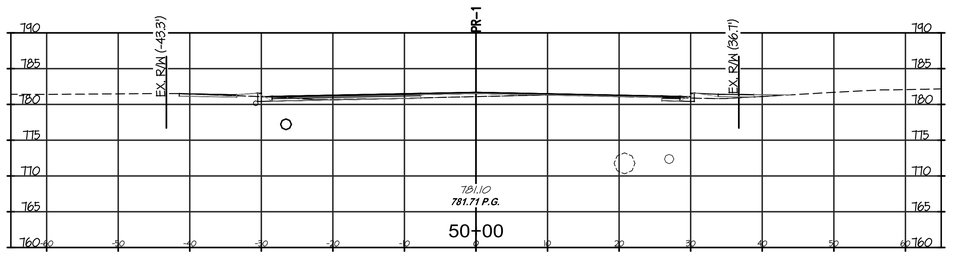
VF = 23.76



EARTHWORK
50+00

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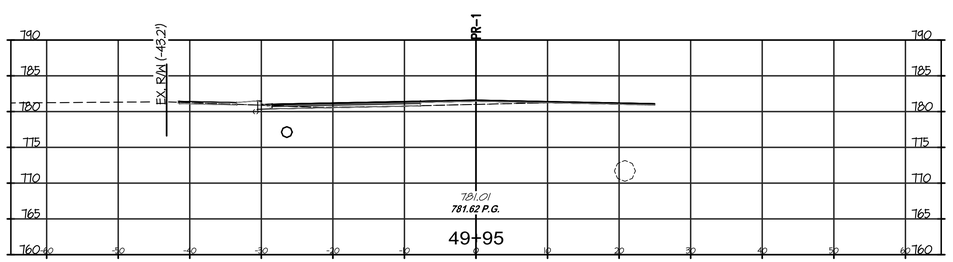
VC = 0.85
VF = 1.71



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49+95

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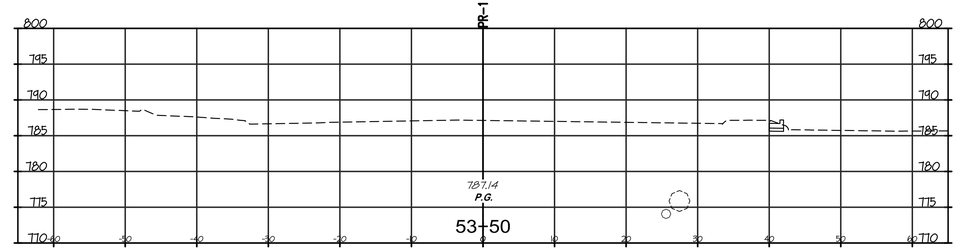
VF = 2.38



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53+50

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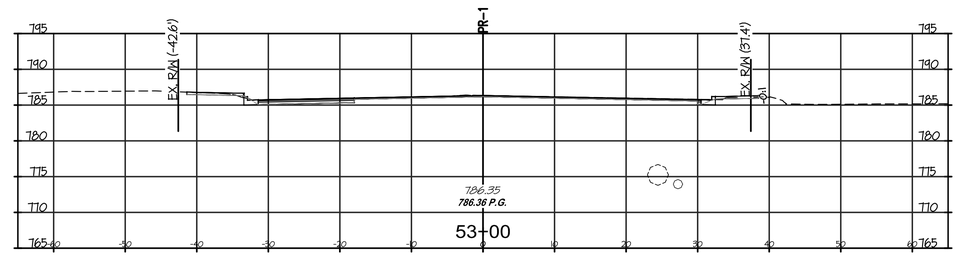

EARTHWORK
53+00

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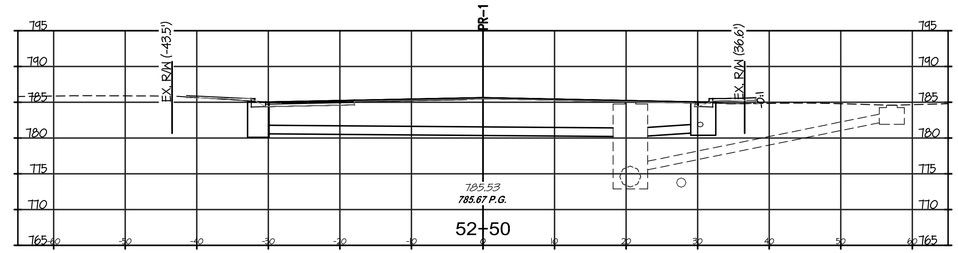
VF = 5.09



EARTHWORK
52+50

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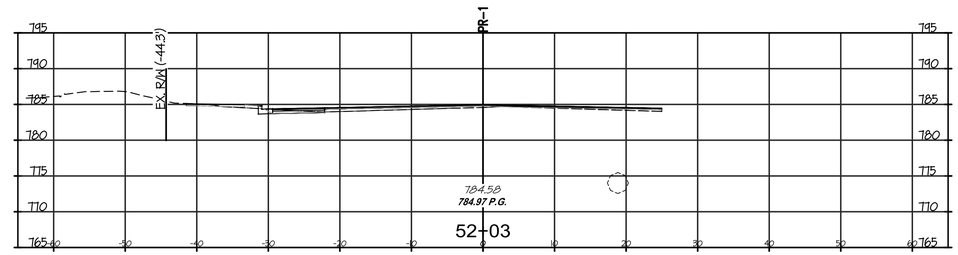
VC = 10.38
VF = 13.98



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52+03

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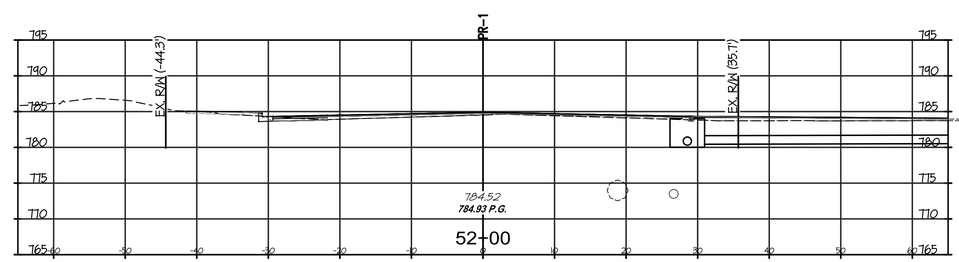

EARTHWORK
52+00

AC = 4.02
AF = 28.94
VC = 7.31
VF = 43.61

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CITY OF FORT WAYNE
MAPLECREST ROAD IMPROVEMENTS

CROSS SECTIONS
MAPLECREST ROAD

HORIZONTAL SCALE	
1"=10'	
VERTICAL SCALE	
N/A	

DESIGNATION		SHEETS	
0500695		81 of	82
CONTRACT		PROJECT NUMBER	
R-33886		0500695	

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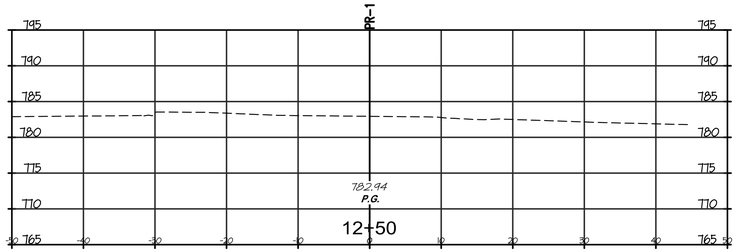

EARTHWORK
12+50

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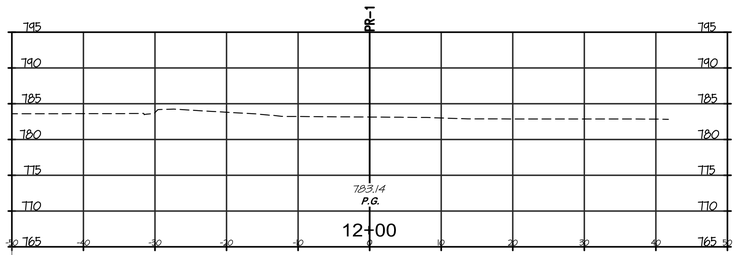
AF = 0.00
VC = 0.00
VF = 0.00



EARTHWORK
12+00

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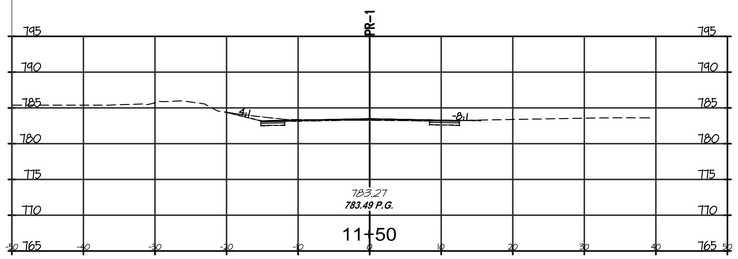

EARTHWORK
11+50

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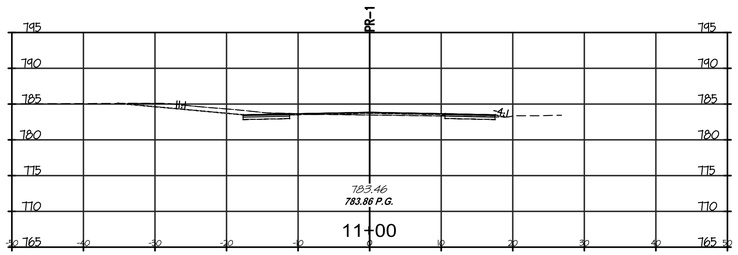

EARTHWORK
11+00

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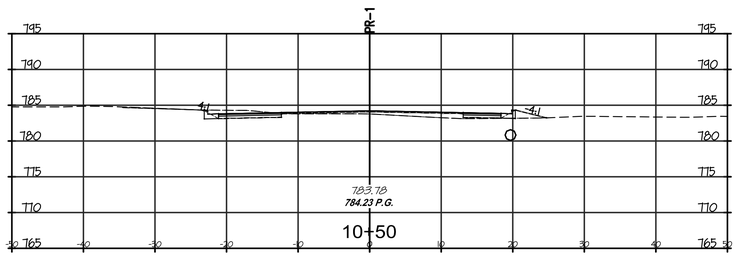

EARTHWORK
10+50

AC = 9.92
AF = 13.13
VC = 0.00
VF = 0.00

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CHECKED: AJO
CHECKED: WWD

CITY OF FORT WAYNE
MAPLECREST ROAD IMPROVEMENTS

CROSS SECTIONS
MAPLECREST ROAD

HORIZONTAL SCALE	
1"=10'	
VERTICAL SCALE	
N/A	

DESIGNATION		SHEETS	
0500695	82	of	82
CONTRACT		PROJECT NUMBER	
R-33886		0500695	

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